


STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING						FORM 3 AMENDED REPORT <input type="checkbox"/>				
APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER GMBU Q-2-9-15				
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT MONUMENT BUTTE				
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME GMBU (GRRV)				
6. NAME OF OPERATOR NEWFIELD PRODUCTION COMPANY						7. OPERATOR PHONE 435 646-4825				
8. ADDRESS OF OPERATOR Rt 3 Box 3630 , Myton, UT, 84052						9. OPERATOR E-MAIL mcrozier@newfield.com				
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) ML-43538			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>				
13. NAME OF SURFACE OWNER (if box 12 = 'fee')						14. SURFACE OWNER PHONE (if box 12 = 'fee')				
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')				
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
20. LOCATION OF WELL	FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN			
LOCATION AT SURFACE	2001 FSL 2053 FWL		NESW	2	9.0 S	15.0 E	S			
Top of Uppermost Producing Zone	1503 FSL 1604 FWL		NESW	2	9.0 S	15.0 E	S			
At Total Depth	994 FSL 1106 FWL		SWSW	2	9.0 S	15.0 E	S			
21. COUNTY DUCESNE			22. DISTANCE TO NEAREST LEASE LINE (Feet) 994			23. NUMBER OF ACRES IN DRILLING UNIT 20				
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 963			26. PROPOSED DEPTH MD: 6429 TVD: 6429				
27. ELEVATION - GROUND LEVEL 6029			28. BOND NUMBER B001834			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 437478				
Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Surf	12.25	8.625	0 - 300	24.0	J-55 ST&C	8.3	Class G	138	1.17	15.8
Prod	7.875	5.5	0 - 6429	15.5	J-55 LT&C	8.3	Premium Lite High Strength	306	3.26	11.0
							50/50 Poz	363	1.24	14.3
ATTACHMENTS										
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
NAME Mandie Crozier				TITLE Regulatory Tech			PHONE 435 646-4825			
SIGNATURE				DATE 07/29/2011			EMAIL mcrozier@newfield.com			
API NUMBER ASSIGNED 43013509110000				APPROVAL  Permit Manager						

NEWFIELD PRODUCTION COMPANY
GMBU Q-2-9-15
AT SURFACE: NE/SW SECTION 2, T9S, R15E
DUCHESNE COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

2. **ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0' – 1615'
Green River	1615'
Wasatch	6220'
Proposed TD	6429'

3. **ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation (Oil) 1615' – 6220'

Fresh water may be encountered in the Uinta Formation, but would not be expected below about 350'. All water shows and water bearing geologic units shall be reported to the geologic and engineering staff of the Vernal Office prior to running the next string of casing or before plugging orders are requested. All water shows must be reported within one (1) business day after being encountered.

All usable (<10,000 PPM TDS) water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth and adequately protected. This information shall be reported to the Vernal Office.

Detected water flows shall be sampled, analyzed, and reported to the geologic & engineering staff of the Vernal Office. The office may request additional water samples for further analysis. Usage of the State of Utah form *Report of Water Encountered* is acceptable, but not required.

The following information is requested for water shows and samples where applicable:

Location & Sampled Interval	Date Sampled
Flow Rate	Temperature
Hardness	pH
Water Classification (State of Utah)	Dissolved Calcium (Ca) (mg/l)
Dissolved Iron (Fe) (ug/l)	Dissolved Sodium (Na) (mg/l)
Dissolved Magnesium (Mg) (mg/l)	Dissolved Carbonate (CO ₃) (mg/l)
Dissolved Bicarbonate (NaHCO ₃) (mg/l)	Dissolved Chloride (Cl) (mg/l)
Dissolved Sulfate (SO ₄) (mg/l)	Dissolved Total Solids (TDS) (mg/l)

4. **PROPOSED CASING PROGRAM**

a. **Casing Design: GMBU Q-2-9-15**

Size	Interval		Weight	Grade	Coupling	Design Factors		
	Top	Bottom				Burst	Collapse	Tension
Surface casing 8-5/8"	0'	300'	24.0	J-55	STC	2,950 17.53	1,370 14.35	244,000 33.89
Prod casing 5-1/2"	0'	6,429'	15.5	J-55	LTC	4,810 2.35	4,040 1.98	217,000 2.18

Assumptions:

- 1) Surface casing max anticipated surface press (MASP) = Frac gradient – gas gradient
- 2) Prod casing MASP (production mode) = Pore pressure – gas gradient
- 3) All collapse calculations assume fully evacuated casing w/ gas gradient
- 4) All tension calculations assume air weight

Frac gradient at surface casing shoe = 13.0 ppg
 Pore pressure at surface casing shoe = 8.33 ppg
 Pore pressure at prod casing shoe = 8.33 ppg
 Gas gradient = 0.115 psi/ft

All casing shall be new or, if used, inspected and tested. Used casing shall meet or exceed API standards for new casing.

All casing strings shall have a minimum of 1 (one) centralizer on each of the bottom three (3) joints.

b. **Cementing Design: GMBU Q-2-9-15**

Job	Fill	Description	Sacks	OH Excess*	Weight (ppg)	Yield (ft ³ /sk)
			ft ³			
Surface casing	300'	Class G w/ 2% CaCl	138 161	30%	15.8	1.17
Prod casing Lead	4,429'	Prem Lite II w/ 10% gel + 3% KCl	306 998	30%	11.0	3.26
Prod casing Tail	2,000'	50/50 Poz w/ 2% gel + 3% KCl	363 451	30%	14.3	1.24

*Actual volume pumped will be 15% over the caliper log

- Compressive strength of lead cement: 1800 psi @ 24 hours, 2250 psi @ 72 hours
- Compressive strength of tail cement: 2500 psi @ 24 hours

Hole Sizes: A 12-1/4" hole will be drilled for the 8-5/8" surface casing. A 7-7/8" hole will be drilled for the 5-1/2" production casing.

The 8-5/8" surface casing shall in all cases be cemented back to surface. In the event that during the primary surface cementing operation the cement does not circulate to surface, or if the cement level should fall back more than 8 feet from surface, then a remedial surface cementing operation shall be performed to insure adequate isolation and stabilization of the surface casing.

5. **MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

The operator's minimum specifications for pressure control equipment are as follows:

An 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOP's will be check daily.

Refer to **Exhibit C** for a diagram of BOP equipment that will be used on this well.

6. **TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

From surface to ± 300 feet will be drilled with an air/mist system. The air rig is equipped with a 6 1/2" blooie line that is straight run and securely anchored. The blooie line is used with a discharge less than 100 ft from the wellbore in order to minimize the well pad size. The blooie line is not equipped with an automatic igniter or continuous pilot light and the compressor is located less than 100 ft from the well bore due to the low possibility of combustion with the air dust mixture. The trailer mounted compressor (capacity of 2000 CFM) has a safety shut-off valve which is located 15 feet from the air rig. A truck with 70 bbls of water is on stand by to be used as kill fluid, if necessary. From about ± 300 feet to TD, a fresh water system will be utilized. Clay inhibition and hole stability will be achieved with a KCl substitute additive. This additive will be identified in the APD and reviewed to determine if the reserve pit shall be lined. This fresh water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 8.4 lbs/gal. If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite

No chromate additives will be used in the mud system on Federal and/or Indian lands without prior BLM approval to ensure adequate protection of fresh aquifers.

No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

Newfield Production will **visually** monitor pit levels and flow from the well during drilling operations.

7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

8. **TESTING, LOGGING AND CORING PROGRAMS:**

The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ 300' +/-, and a Compensated Neutron-Formation Density Log from TD to 3500' +-. A cement bond log will be run from PBTD to cement top. No drill stem testing or coring is planned for this well.

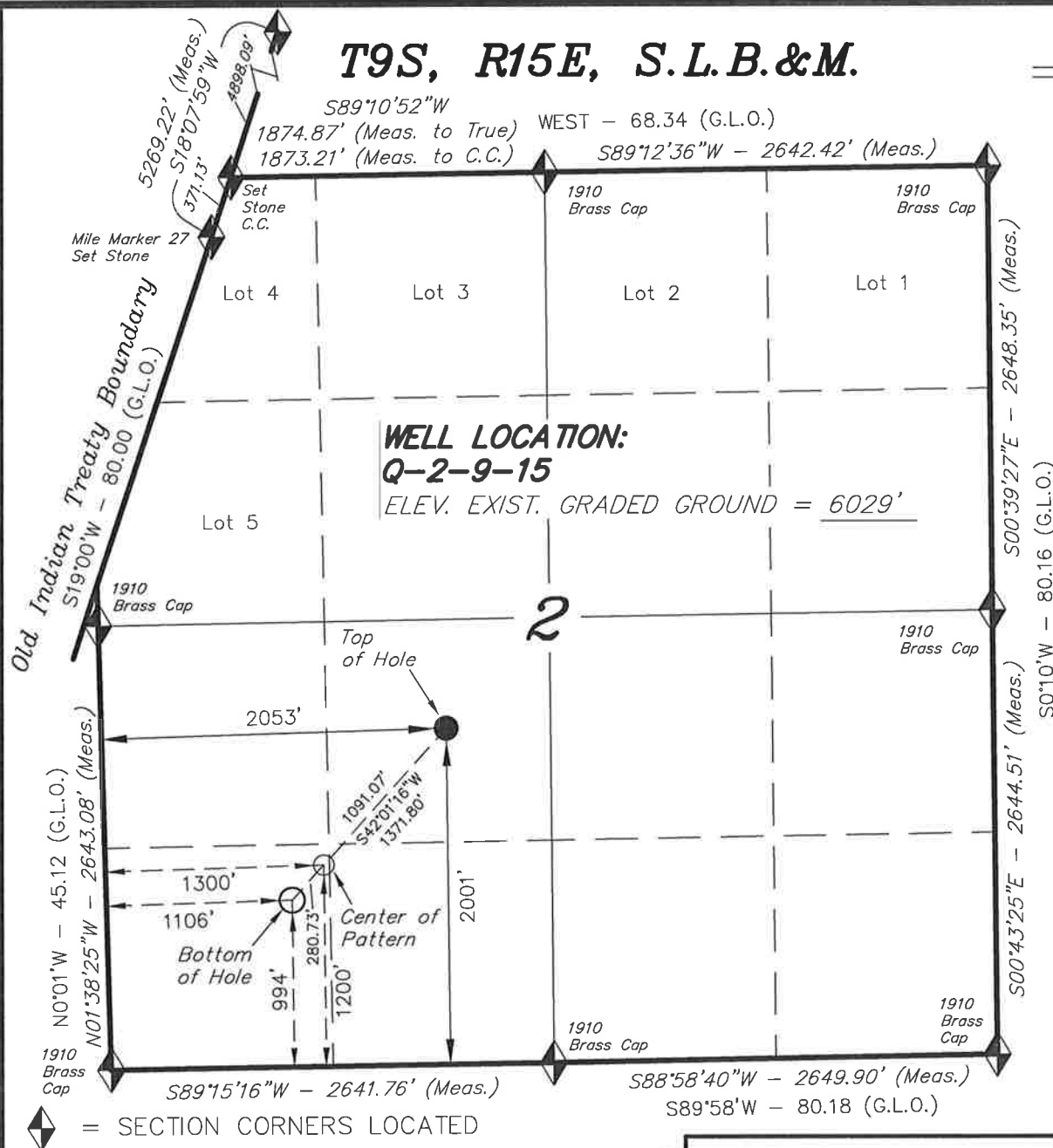
9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

No abnormal temperatures or pressures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous drilling in the area at this depth. Maximum anticipated bottomhole pressure will approximately equal total depth in feet multiplied by a 0.433 psi/foot gradient.

10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

It is anticipated that the drilling operations will commence the third quarter of 2011, and take approximately seven (7) days from spud to rig release.

T9S, R15E, S.L.B.&M.



BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

Q-2-9-15
(Surface Location) NAD 83
LATITUDE = 40° 03' 29.37"
LONGITUDE = 110° 12' 05.83"

NEWFIELD EXPLORATION COMPANY

WELL LOCATION, Q-2-9-15, LOCATED AS SHOWN IN THE NE 1/4 SW 1/4 OF SECTION 2, T9S, R15E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

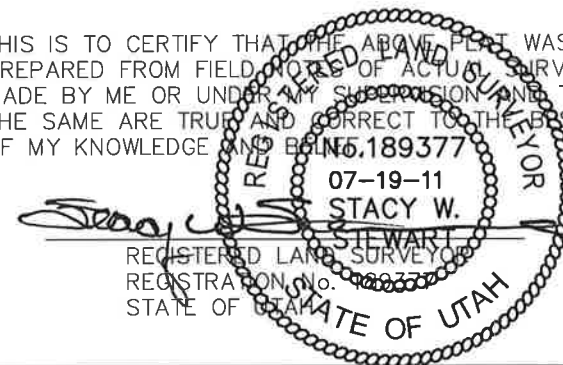
TARGET BOTTOM HOLE, Q-2-9-15, LOCATED AS SHOWN IN THE SW 1/4 SW 1/4 OF SECTION 2, T9S, R15E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



NOTES:

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

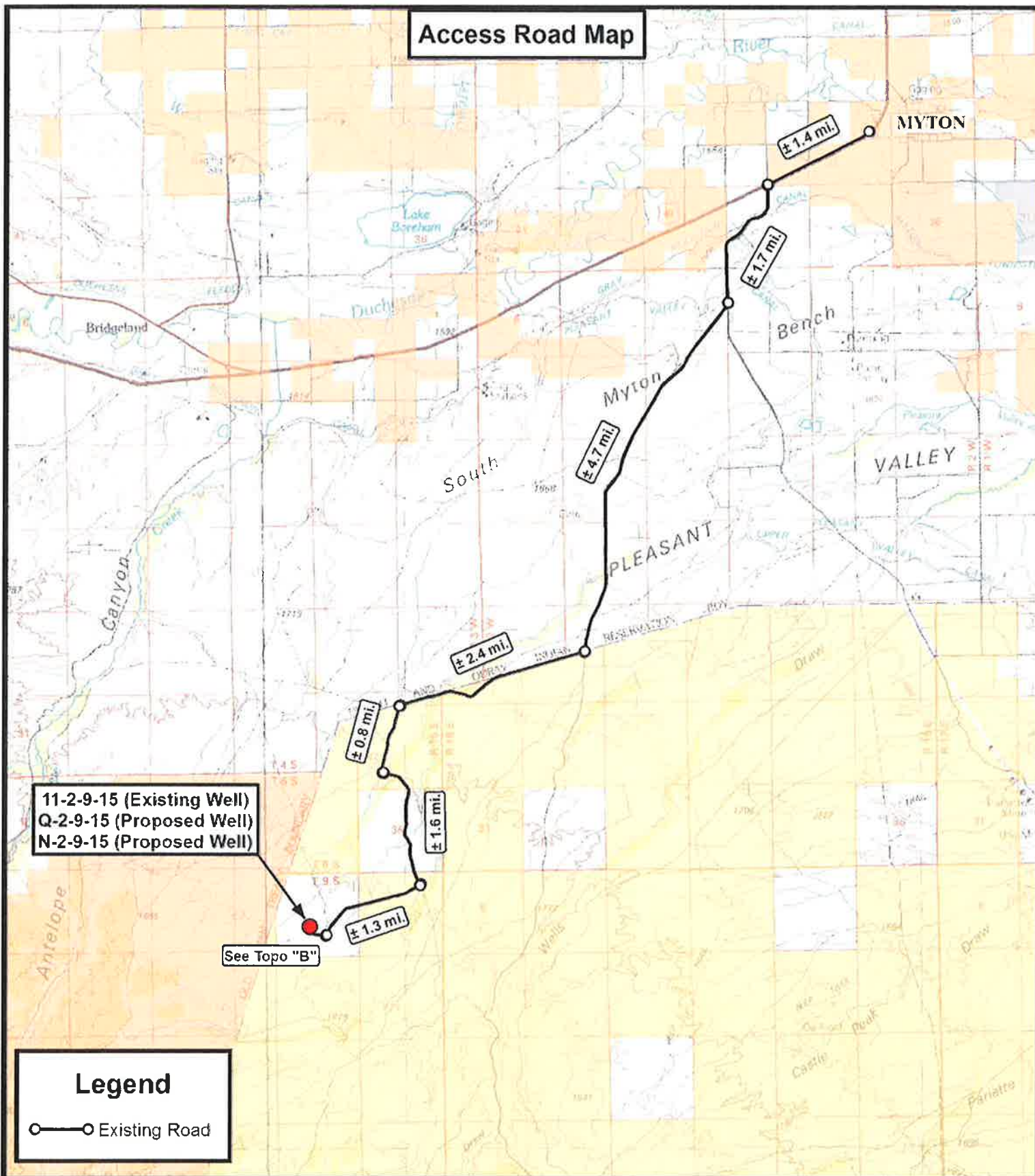


TRI STATE LAND SURVEYING & CONSULTING

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 06-08-11	SURVEYED BY: K.S.	VERSION:
DATE DRAWN: 06-28-11	DRAWN BY: M.W.	V1
REVISED:	SCALE: 1" = 1000'	

Access Road Map



Legend

Existing Road



**Tri State
Land Surveying, Inc.**

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501
F: (435) 781-2518

N



NEWFIELD EXPLORATION COMPANY

11-2-9-15 (Existing Well)
Q-2-9-15 (Proposed Well)
N-2-9-15 (Proposed Well)

SEC. 2, T9S, R15E, S.L.B.&M. Duchesne County, UT.

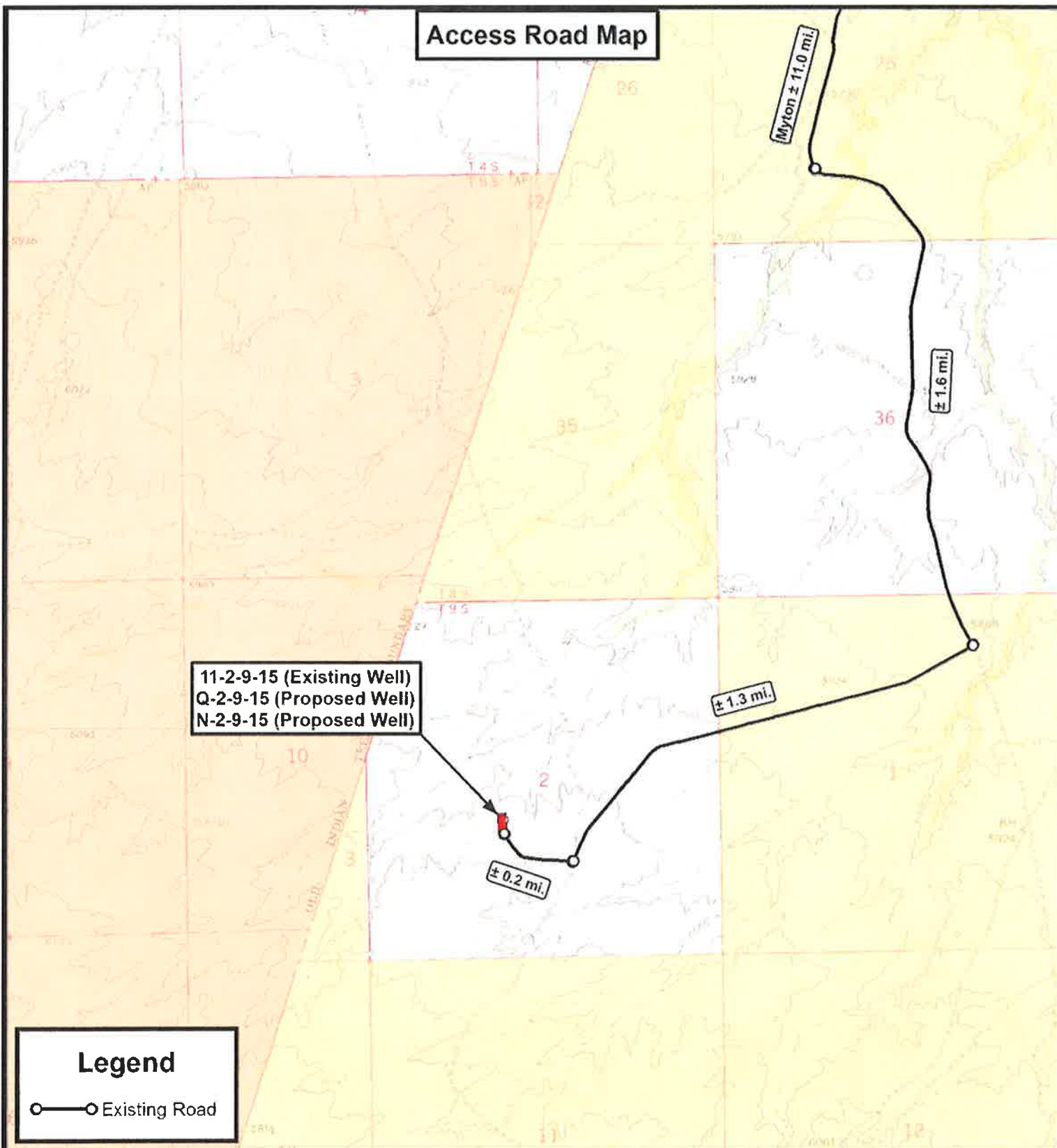
DRAWN BY:	C.H.M.	REVISED:	VERSION:
DATE:	07-18-2011		V1
SCALE:	1:100,000		

TOPOGRAPHIC MAP

SHEET

A

Access Road Map



Proposed Pipeline Map

11-2-9-15 (Existing Well)
Q-2-9-15 (Proposed Well)
N-2-9-15 (Proposed Well)

Existing
Flowline
Existing
Gas Pipeline

Legend

Existing Road

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.



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NEWFIELD EXPLORATION COMPANY

11-2-9-15 (Existing Well)
Q-2-9-15 (Proposed Well)
N-2-9-15 (Proposed Well)
SEC. 2, T9S, R15E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	C.H.M.	REVISED:	VERSION:
DATE:	07-18-2011		V1
SCALE:	1" = 2,000'		

TOPOGRAPHIC MAP

SHEET

C

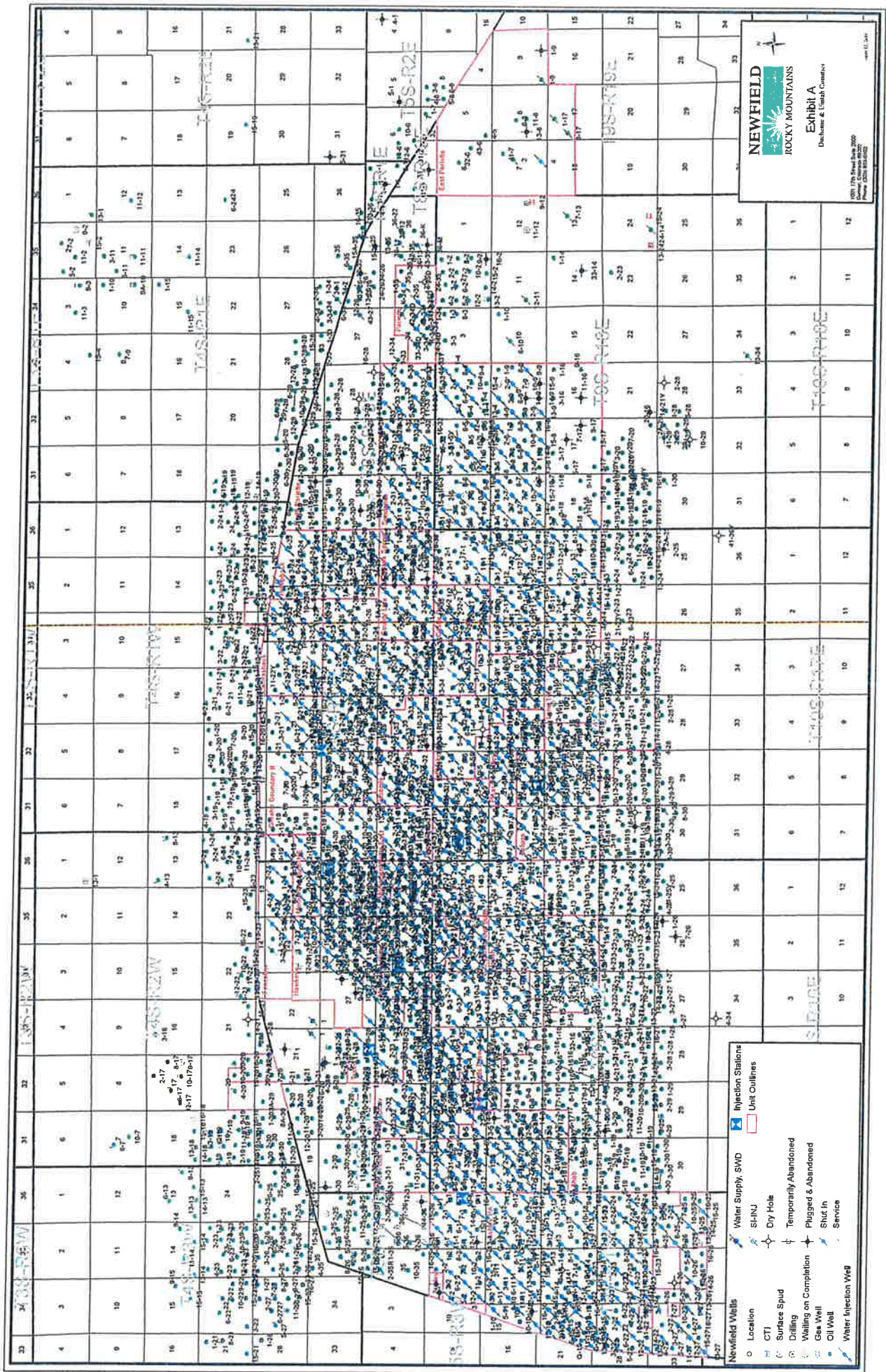
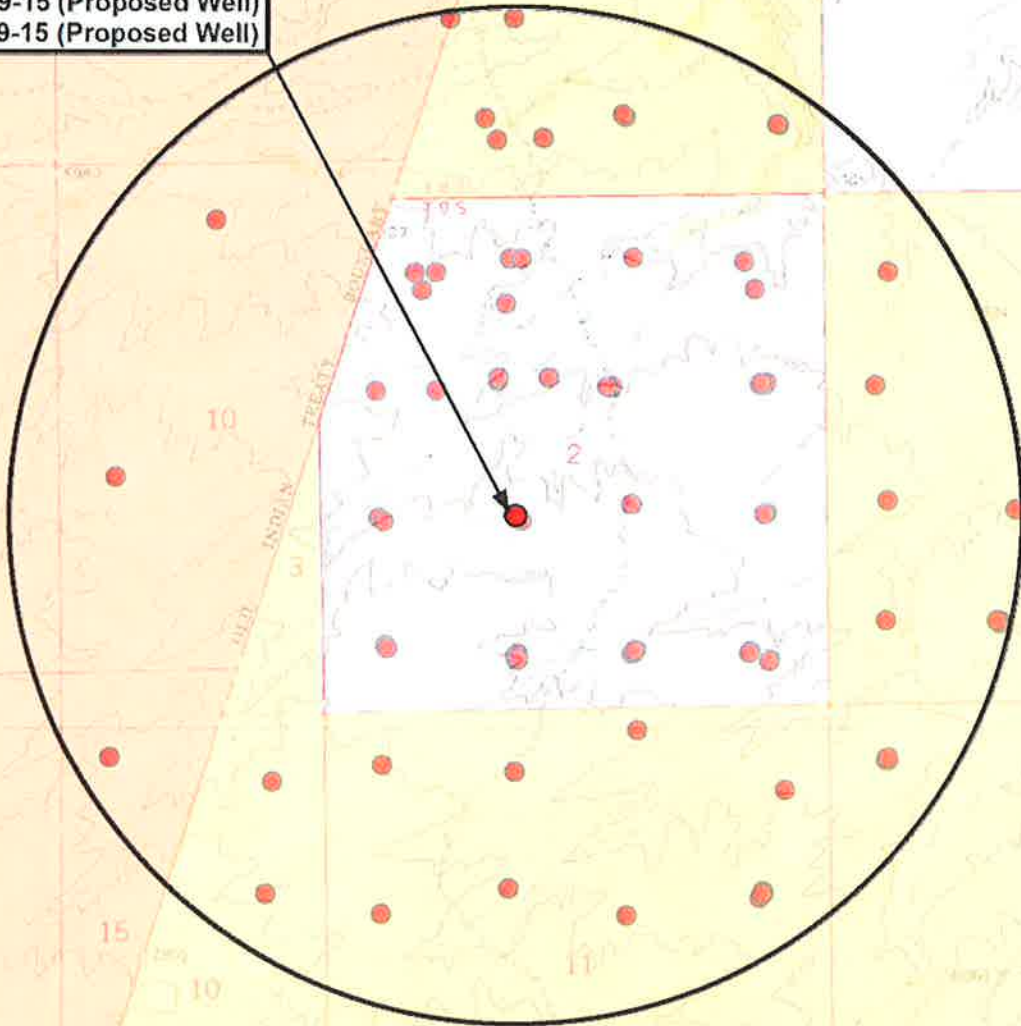


Exhibit "B" Map

11-2-9-15 (Existing Well)
Q-2-9-15 (Proposed Well)
N-2-9-15 (Proposed Well)

**Legend**

- 1 Mile Radius
● Pad Location

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.



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**NEWFIELD EXPLORATION COMPANY**

11-2-9-15 (Existing Well)
Q-2-9-15 (Proposed Well)
N-2-9-15 (Proposed Well)

SEC. 2, T9S, R15E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	C.H.M.	REVISED:	VERSION:
DATE:	07-18-2011		V1
SCALE:	1" = 2,000'		

TOPOGRAPHIC MAP

SHEET

D



NEWFIELD EXPLORATION

USGS Myton SW (UT)

SECTION 2 T9, R15

Q-2-9-15

Wellbore #1

Plan: Design #1

Standard Planning Report

20 June, 2011





Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well Q-2-9-15
Company:	NEWFIELD EXPLORATION	TVD Reference:	Q-2-9-15 @ 6041.0ft (Newfield Rig)
Project:	USGS Myton SW (UT)	MD Reference:	Q-2-9-15 @ 6041.0ft (Newfield Rig)
Site:	SECTION 2 T9, R15	North Reference:	Grid
Well:	Q-2-9-15	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project	USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site	SECTION 2 T9, R15			
Site Position:		Northing:	7,191,145.41 ft	Latitude: 40° 3' 15.350 N
From:	Lat/Long	Easting:	2,005,088.49 ft	Longitude: 110° 11' 49.770 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence: 0.83 °

Well	Q-2-9-15, SHL LAT: 40 03 29.37 LONG: -110 12 05.83			
Well Position	+N/-S	1,400.3 ft	Northing:	7,192,545.67 ft
	+E/-W	-1,269.2 ft	Easting:	2,003,819.30 ft
Position Uncertainty		0.0 ft	Wellhead Elevation:	6,041.0 ft
			Ground Level:	6,029.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2011/06/20	11.37	65.78	52,252

Design	Design #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	5,200.0	0.0	0.0	222.02

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,593.3	14.90	222.02	1,582.2	-95.4	-86.0	1.50	1.50	0.00	222.02	
5,337.0	14.90	222.02	5,200.0	-810.6	-730.4	0.00	0.00	0.00	0.00	Q-2-9-15
6,428.7	14.90	222.02	6,255.0	-1,019.1	-918.3	0.00	0.00	0.00	0.00	



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well Q-2-9-15
Company:	NEWFIELD EXPLORATION	TVD Reference:	Q-2-9-15 @ 6041.0ft (Newfield Rig)
Project:	USGS Myton SW (UT)	MD Reference:	Q-2-9-15 @ 6041.0ft (Newfield Rig)
Site:	SECTION 2 T9, R15	North Reference:	Grid
Well:	Q-2-9-15	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 1.50									
700.0	1.50	222.02	700.0	-1.0	-0.9	1.3	1.50	1.50	0.00
800.0	3.00	222.02	799.9	-3.9	-3.5	5.2	1.50	1.50	0.00
900.0	4.50	222.02	899.7	-8.7	-7.9	11.8	1.50	1.50	0.00
1,000.0	6.00	222.02	999.3	-15.5	-14.0	20.9	1.50	1.50	0.00
1,100.0	7.50	222.02	1,098.6	-24.3	-21.9	32.7	1.50	1.50	0.00
1,200.0	9.00	222.02	1,197.5	-34.9	-31.5	47.0	1.50	1.50	0.00
1,300.0	10.50	222.02	1,296.1	-47.5	-42.8	64.0	1.50	1.50	0.00
1,400.0	12.00	222.02	1,394.2	-62.0	-55.9	83.5	1.50	1.50	0.00
1,500.0	13.50	222.02	1,491.7	-78.4	-70.6	105.5	1.50	1.50	0.00
1,593.3	14.90	222.02	1,582.2	-95.4	-86.0	128.4	1.50	1.50	0.00
Start 3743.7 hold at 1593.3 MD									
1,600.0	14.90	222.02	1,588.6	-96.7	-87.1	130.1	0.00	0.00	0.00
1,700.0	14.90	222.02	1,685.3	-115.8	-104.3	155.9	0.00	0.00	0.00
1,800.0	14.90	222.02	1,781.9	-134.9	-121.5	181.6	0.00	0.00	0.00
1,900.0	14.90	222.02	1,878.5	-154.0	-138.8	207.3	0.00	0.00	0.00
2,000.0	14.90	222.02	1,975.2	-173.1	-156.0	233.0	0.00	0.00	0.00
2,100.0	14.90	222.02	2,071.8	-192.2	-173.2	258.7	0.00	0.00	0.00
2,200.0	14.90	222.02	2,168.4	-211.3	-190.4	284.4	0.00	0.00	0.00
2,300.0	14.90	222.02	2,265.1	-230.4	-207.6	310.1	0.00	0.00	0.00
2,400.0	14.90	222.02	2,361.7	-249.5	-224.8	335.9	0.00	0.00	0.00
2,500.0	14.90	222.02	2,458.4	-268.6	-242.0	361.6	0.00	0.00	0.00
2,600.0	14.90	222.02	2,555.0	-287.7	-259.2	387.3	0.00	0.00	0.00
2,700.0	14.90	222.02	2,651.6	-306.8	-276.5	413.0	0.00	0.00	0.00
2,800.0	14.90	222.02	2,748.3	-325.9	-293.7	438.7	0.00	0.00	0.00
2,900.0	14.90	222.02	2,844.9	-345.0	-310.9	464.4	0.00	0.00	0.00
3,000.0	14.90	222.02	2,941.5	-364.1	-328.1	490.1	0.00	0.00	0.00
3,100.0	14.90	222.02	3,038.2	-383.2	-345.3	515.8	0.00	0.00	0.00
3,200.0	14.90	222.02	3,134.8	-402.3	-362.5	541.6	0.00	0.00	0.00
3,300.0	14.90	222.02	3,231.5	-421.4	-379.7	567.3	0.00	0.00	0.00
3,400.0	14.90	222.02	3,328.1	-440.5	-396.9	593.0	0.00	0.00	0.00
3,500.0	14.90	222.02	3,424.7	-459.6	-414.2	618.7	0.00	0.00	0.00
3,600.0	14.90	222.02	3,521.4	-478.7	-431.4	644.4	0.00	0.00	0.00
3,700.0	14.90	222.02	3,618.0	-497.8	-448.6	670.1	0.00	0.00	0.00
3,800.0	14.90	222.02	3,714.6	-517.0	-465.8	695.8	0.00	0.00	0.00
3,900.0	14.90	222.02	3,811.3	-536.1	-483.0	721.6	0.00	0.00	0.00
4,000.0	14.90	222.02	3,907.9	-555.2	-500.2	747.3	0.00	0.00	0.00
4,100.0	14.90	222.02	4,004.6	-574.3	-517.4	773.0	0.00	0.00	0.00
4,200.0	14.90	222.02	4,101.2	-593.4	-534.6	798.7	0.00	0.00	0.00
4,300.0	14.90	222.02	4,197.8	-612.5	-551.9	824.4	0.00	0.00	0.00
4,400.0	14.90	222.02	4,294.5	-631.6	-569.1	850.1	0.00	0.00	0.00
4,500.0	14.90	222.02	4,391.1	-650.7	-586.3	875.8	0.00	0.00	0.00
4,600.0	14.90	222.02	4,487.7	-669.8	-603.5	901.6	0.00	0.00	0.00
4,700.0	14.90	222.02	4,584.4	-688.9	-620.7	927.3	0.00	0.00	0.00
4,800.0	14.90	222.02	4,681.0	-708.0	-637.9	953.0	0.00	0.00	0.00
4,900.0	14.90	222.02	4,777.7	-727.1	-655.1	978.7	0.00	0.00	0.00
5,000.0	14.90	222.02	4,874.3	-746.2	-672.3	1,004.4	0.00	0.00	0.00



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well Q-2-9-15
Company:	NEWFIELD EXPLORATION	TVD Reference:	Q-2-9-15 @ 6041.0ft (Newfield Rig)
Project:	USGS Myton SW (UT)	MD Reference:	Q-2-9-15 @ 6041.0ft (Newfield Rig)
Site:	SECTION 2 T9, R15	North Reference:	Grid
Well:	Q-2-9-15	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

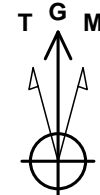
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,100.0	14.90	222.02	4,970.9	-765.3	-689.6	1,030.1	0.00	0.00	0.00
5,200.0	14.90	222.02	5,067.6	-784.4	-706.8	1,055.8	0.00	0.00	0.00
5,300.0	14.90	222.02	5,164.2	-803.5	-724.0	1,081.5	0.00	0.00	0.00
5,337.0	14.90	222.02	5,200.0	-810.6	-730.4	1,091.1	0.00	0.00	0.00
Start 1091.7 hold at 5337.0 MD - Q-2-9-15									
5,400.0	14.90	222.02	5,260.8	-822.6	-741.2	1,107.3	0.00	0.00	0.00
5,500.0	14.90	222.02	5,357.5	-841.7	-758.4	1,133.0	0.00	0.00	0.00
5,600.0	14.90	222.02	5,454.1	-860.8	-775.6	1,158.7	0.00	0.00	0.00
5,700.0	14.90	222.02	5,550.8	-879.9	-792.8	1,184.4	0.00	0.00	0.00
5,800.0	14.90	222.02	5,647.4	-899.0	-810.0	1,210.1	0.00	0.00	0.00
5,900.0	14.90	222.02	5,744.0	-918.1	-827.3	1,235.8	0.00	0.00	0.00
6,000.0	14.90	222.02	5,840.7	-937.2	-844.5	1,261.5	0.00	0.00	0.00
6,100.0	14.90	222.02	5,937.3	-956.3	-861.7	1,287.3	0.00	0.00	0.00
6,200.0	14.90	222.02	6,033.9	-975.4	-878.9	1,313.0	0.00	0.00	0.00
6,300.0	14.90	222.02	6,130.6	-994.5	-896.1	1,338.7	0.00	0.00	0.00
6,400.0	14.90	222.02	6,227.2	-1,013.6	-913.3	1,364.4	0.00	0.00	0.00
6,428.7	14.90	222.02	6,255.0	-1,019.1	-918.3	1,371.8	0.00	0.00	0.00
TD at 6428.7									

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
600.0	600.0	0.0	0.0	Start Build 1.50
1,593.3	1,582.2	-95.4	-86.0	Start 3743.7 hold at 1593.3 MD
5,337.0	5,200.0	-810.6	-730.4	Start 1091.7 hold at 5337.0 MD
6,428.7	6,255.0	-1,019.1	-918.3	TD at 6428.7



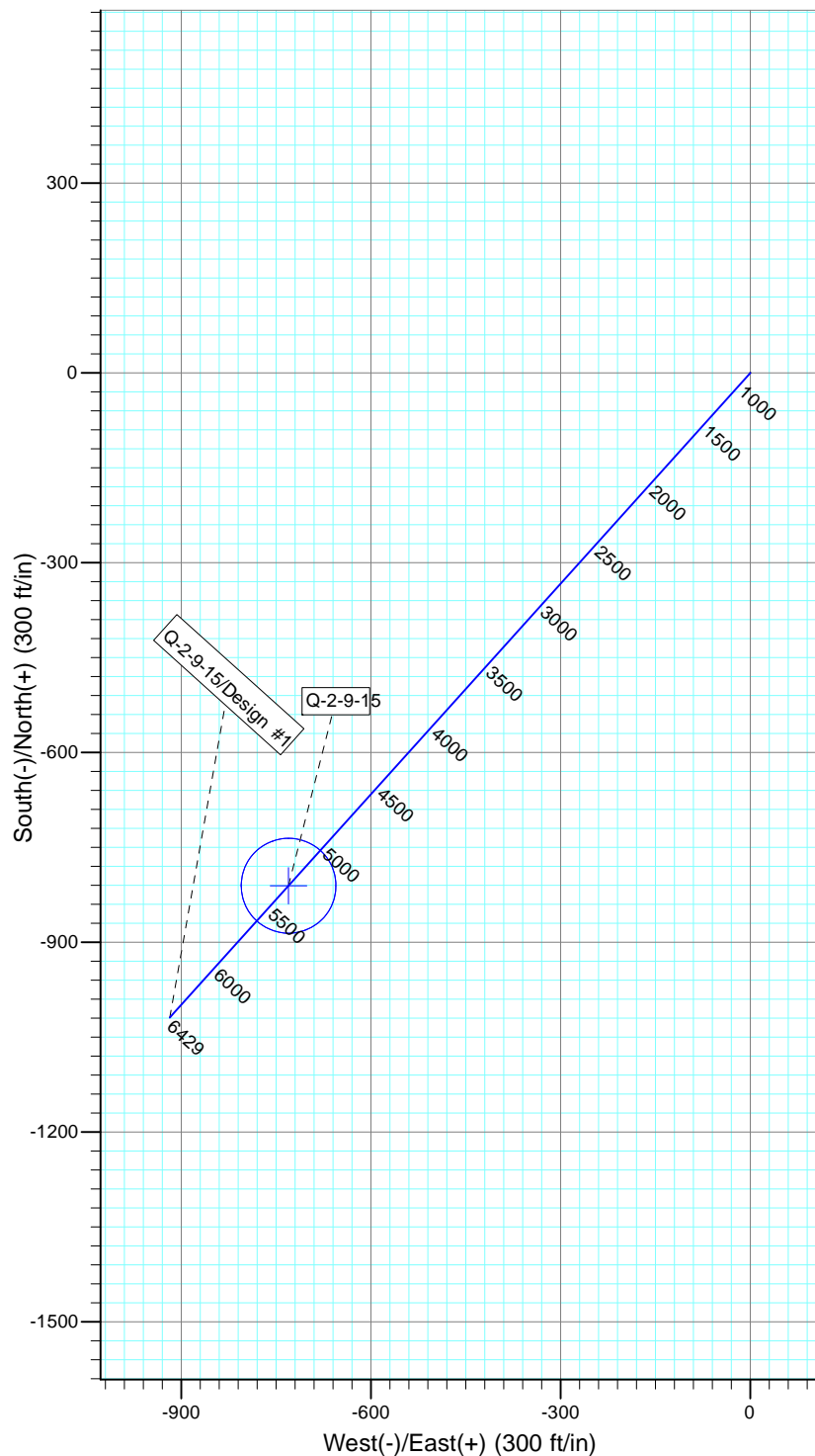
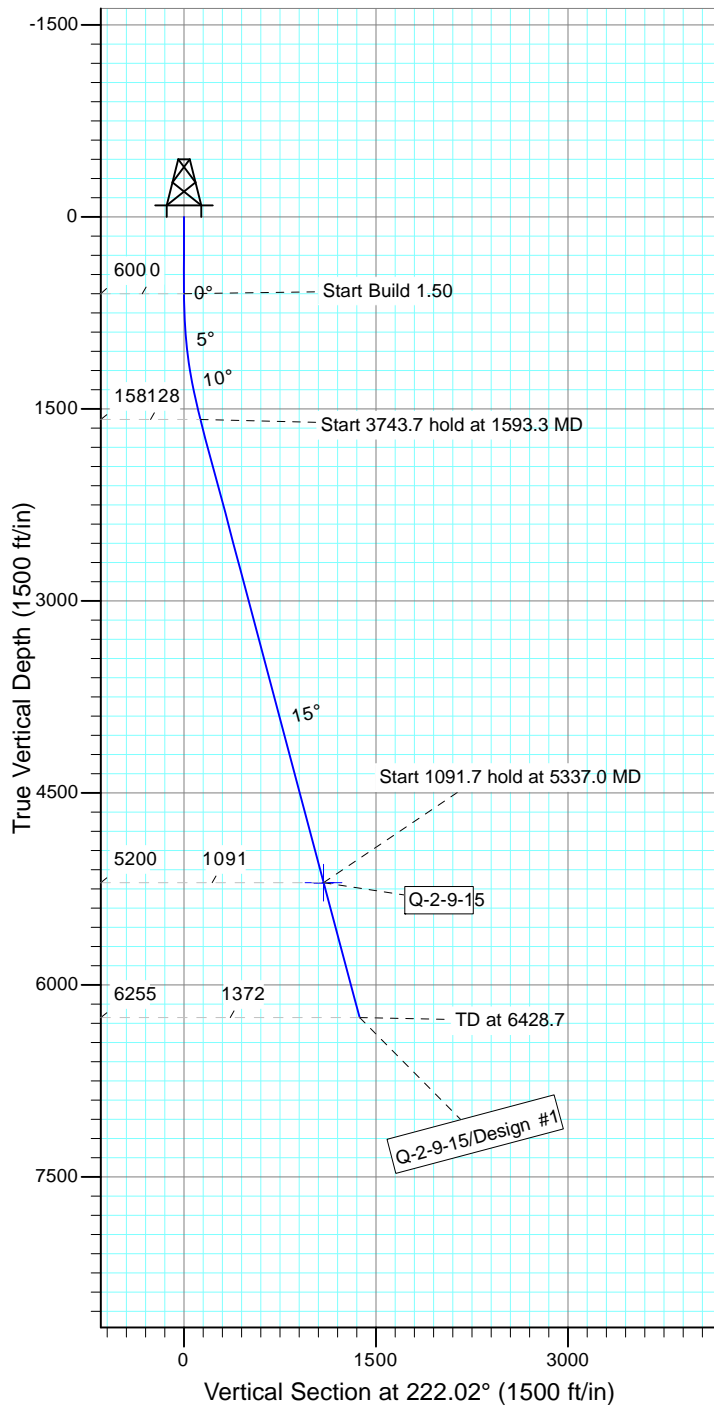
Project: USGS Myton SW (UT)
 Site: SECTION 2 T9, R15
 Well: Q-2-9-15
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to Grid North
 True North: -0.83°
 Magnetic North: 10.54°

Magnetic Field
 Strength: 52252.3nT
 Dip Angle: 65.78°
 Date: 2011/06/20
 Model: IGRF2010

KOP @ 600'
 DOGLENG RATE 1.5 DEG/100
 TARGET RADIUS IS 75'



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
Q-2-9-15	5200.0	-810.6	-730.4	Circle (Radius: 75.0)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1593.3	14.90	222.02	1582.2	-95.4	-86.0	1.50	222.02	128.4	
4	5337.0	14.90	222.02	5200.0	-810.6	-730.4	0.00	0.00	1091.1	Q-2-9-15
5	6428.7	14.90	222.02	6255.0	-1019.1	-918.3	0.00	0.00	1371.8	

**NEWFIELD PRODUCTION COMPANY
GMBU Q-2-9-15
AT SURFACE: NE/SW SECTION 2, T9S, R15E
DUCHESNE COUNTY, UTAH**

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site GMBU Q-2-9-15 located in the NE 1/4 SW 1/4 Section 2, T9S, R15E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles \pm to the junction of this highway and UT State Hwy 53; proceed southwesterly - 6.4 miles \pm to it's junction with an existing road to the southwest; proceed southwesterly - 2.4 miles \pm to it's junction with an existing road to the southwest; proceed southwesterly - 0.8 miles \pm to it's junction with an existing road to the southeast; proceed southeasterly - 1.6 miles \pm to it's junction with an existing road to the southwest; proceed southwesterly - 1.3 miles \pm to it's junction with an existing road to the northwest; proceed northwesterly - 0.2 miles \pm to the existing 11-2-9-15 well pad.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal. Any necessary fill material for repair will be purchase and hauled from private sources.

2. PLANNED ACCESS ROAD

There is no proposed access road for this location. The proposed well will be drilled directionaly off of the existing 11-2-9-15 well pad. See attached **Topographic Map "B"**.

There will be **no** culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum 110% of the largest tank volume within the facility battery.

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six months of installation.

5. **LOCATION AND TYPE OF WATER SUPPLY**

Newfield Production will transport water by truck from nearest water source as determined by a Newfield representative for the purpose of drilling the above mentioned well. The available water sources are as follows:

Johnson Water District
Water Right : 43-10136

Maurice Harvey Pond
Water Right: 47-1358

Neil Moon Pond
Water Right: 43-11787

Newfield Collector Well
Water Right: 47-1817 (A30414DVA, contracted with the Duchesne County Conservancy District).

There will be no water well drilled at this site.

6. **SOURCE OF CONSTRUCTION MATERIALS**

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. Therefore, it is proposed that no synthetic liner be required in the reserve pit. However, if upon constructing the pit there is insufficient fine clay and silt present, a liner will be used for the purpose of reducing water loss through percolation.

Newfield requests approval that a flare pit not be constructed or utilized on this location.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

8. **ANCILLARY FACILITIES**

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. **WELL SITE LAYOUT**

See attached Location Layout Sheet.

Fencing Requirements

All pits will be fenced according to the following minimum standards:

- a) A 39-inch net wire shall be used with at least one strand of barbed wire on top of the net.
- b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
- c) Corner posts shall be centered and/or braced in such a manner to keep tight at all times
- d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.
- e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

Existing fences to be crossed by the access road will be braced and tied off before cutting so as to prevent slacking in the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and upon completion of construction the fence shall be repaired to BLM specifications.

10. **PLANS FOR RESTORATION OF SURFACE:**

- a) Producing Location

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting, the reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

- b) Dry Hole Abandoned Location

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

11. **SURFACE OWNERSHIP** – State of Utah.

11. **OTHER ADDITIONAL INFORMATION :**

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. State of Utah Antiquities Project Permit #U-03-MQ-0751b,s 11/18/03, prepared by

Montgomery Archaeological Consultants. Paleontological Resource Survey prepared by, Wade E. Miller, 7/28/03. See attached report cover pages, Exhibit "D".

- a) Newfield Production Company is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, Newfield is to immediately stop work that might further disturb such materials and contact the Authorized Officer.
- b) Newfield Production will control noxious weeds along rights-of-way for roads, pipelines, well sites or other applicable facilities. On State administered land it is required that a Pesticide Use Proposal shall be submitted and given approval prior to the application of herbicides or other possible hazardous chemicals.
- c) Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on State Lands after the conclusion of drilling operations or at any other time without State authorization. However, if State authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

Water Disposal

After first production, if the production water meets quality guidelines, it will be transported to the Ashley, Monument Butte, Jonah, South Wells Draw and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project. Water not meeting quality criteria, will be disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E), Federally approved surface disposal facilities or at a State of Utah approved surface disposal facilities.

Additional Surface Stipulations

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

Hazardous Material Declaration

Newfield Production Company guarantees that during the drilling and completion of the GMBU Q-2-9-15, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the GMBU Q-2-9-15, Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Newfield Production Company or a contractor employed by Newfield Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.

13. LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:

Representative

Name: Tim Eaton
Address: Newfield Production Company
Route 3, Box 3630

Myton, UT 84052
Telephone: (435) 646-3721

Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #Q-2-9-15, Section 2, Township 9S, Range 15E: Lease ML-43538 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #B001834.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

7/29/11
Date

Mandie Crozier
Regulatory Specialist
Newfield Production Company

2-M SYSTEM

Blowout Prevention Equipment Systems

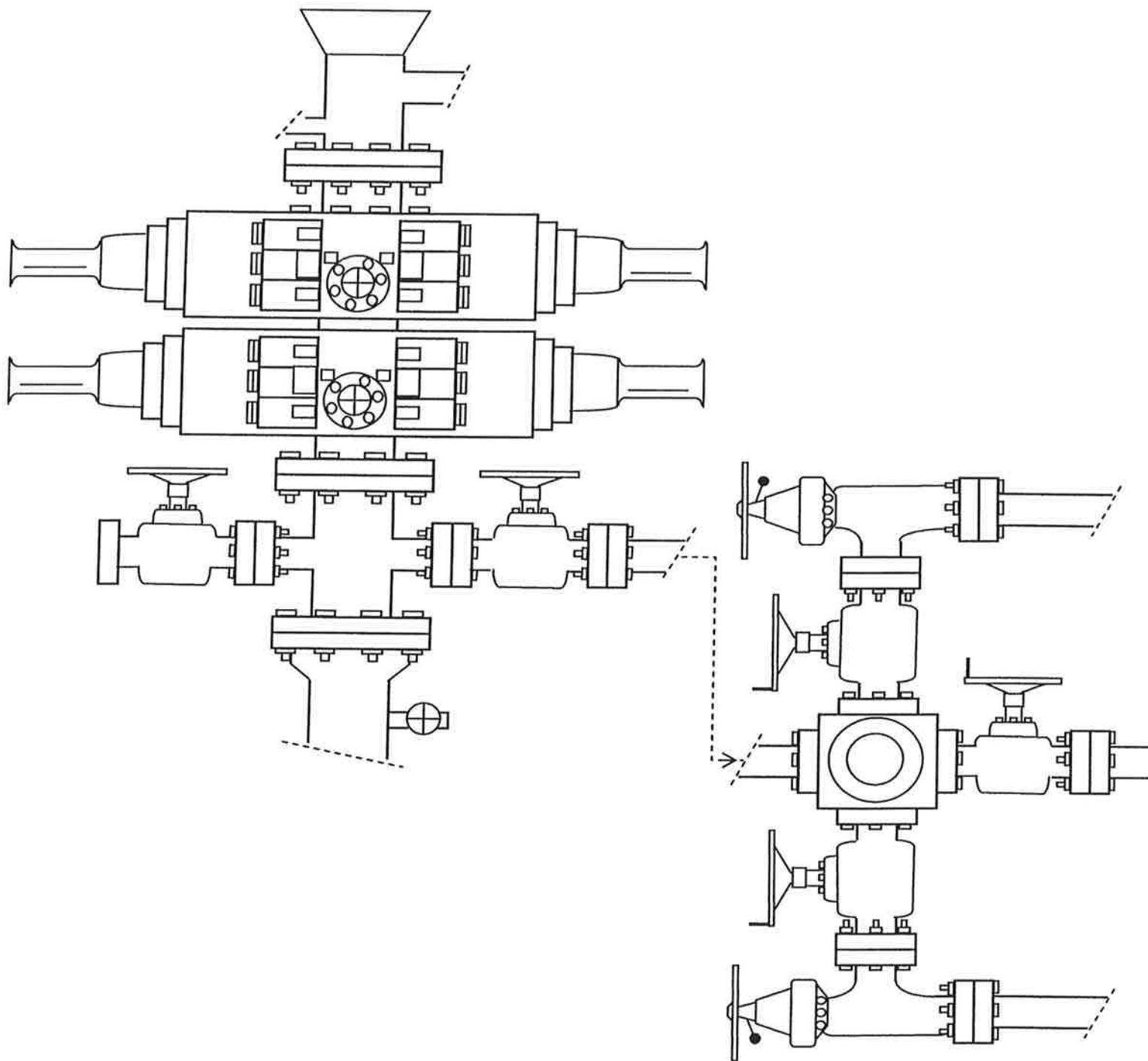


EXHIBIT C

NEWFIELD EXPLORATION COMPANY

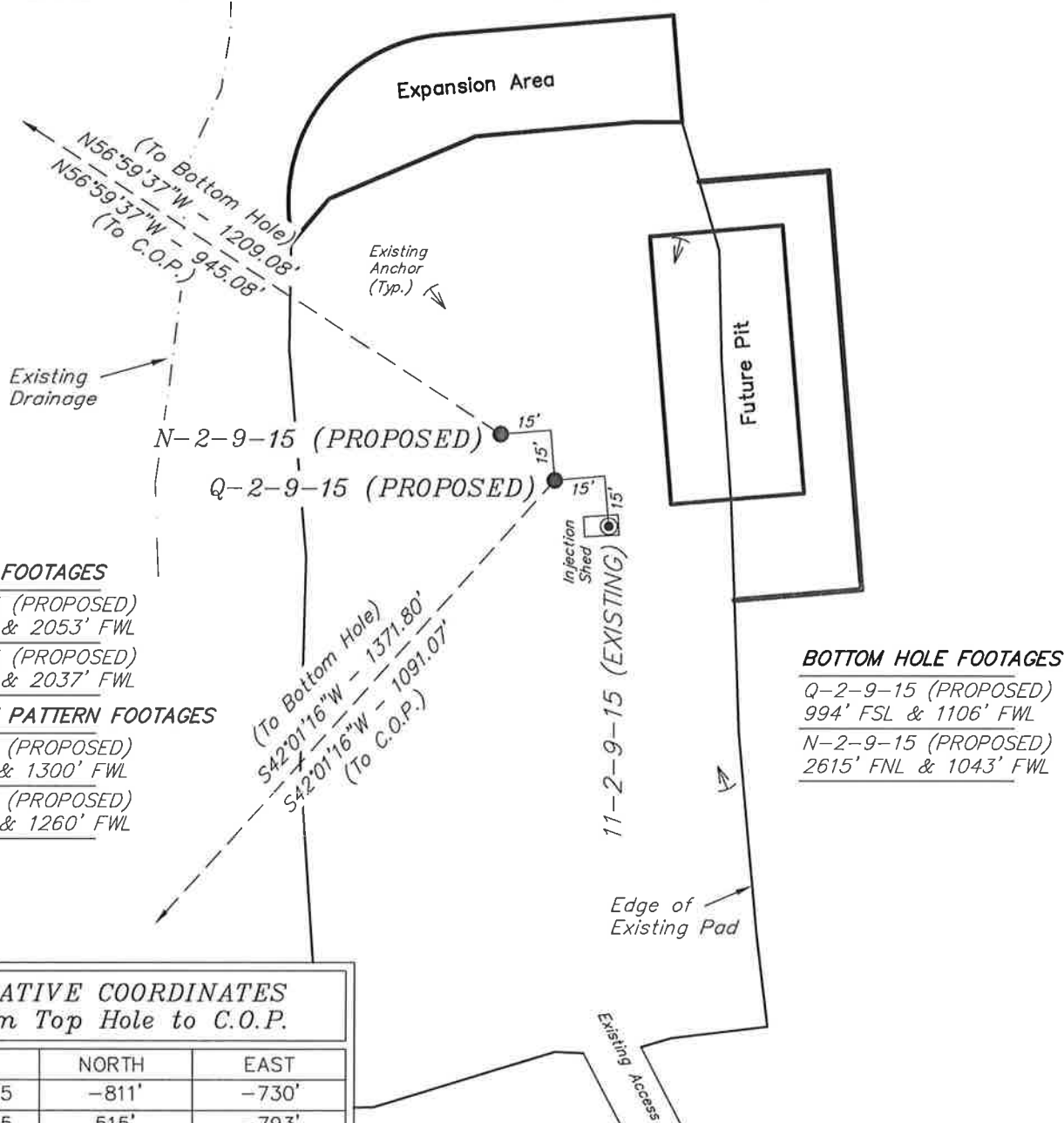
WELL PAD INTERFERENCE PLAT

11-2-9-15 (Existing Well)

Q-2-9-15 (Proposed Well)

N-2-9-15 (Proposed Well)

Pad Location: NESW Section 2, T9S, R15E, S.L.B.&M.



TOP HOLE FOOTAGES

Q-2-9-15 (PROPOSED)
2001' FSL & 2053' FWL

N-2-9-15 (PROPOSED)
2015' FSL & 2037' FWL

CENTER OF PATTERN FOOTAGES

Q-2-9-15 (PROPOSED)
1200' FSL & 1300' FWL

N-2-9-15 (PROPOSED)
2540' FSL & 1260' FWL

BOTTOM HOLE FOOTAGES

Q-2-9-15 (PROPOSED)
994' FSL & 1106' FWL

N-2-9-15 (PROPOSED)
2615' FSL & 1043' FWL

RELATIVE COORDINATES From Top Hole to C.O.P.

WELL	NORTH	EAST
Q-2-9-15	-811'	-730'
N-2-9-15	515'	-793'

RELATIVE COORDINATES From Top Hole to Bottom Hole

WELL	NORTH	EAST
Q-2-9-15	-1019'	-918'
N-2-9-15	659'	-1014'

LATITUDE & LONGITUDE Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
Q-2-9-15	40° 03' 29.37"	110° 12' 05.83"
N-2-9-15	40° 03' 29.50"	110° 12' 06.04"
11-2-9-15	40° 03' 29.23"	110° 12' 05.63"

SURVEYED BY: K.S. DATE SURVEYED: 06-08-11 VERSION:
 DRAWN BY: M.W. DATE DRAWN: 06-28-11
 SCALE: 1" = 50' REVISED:

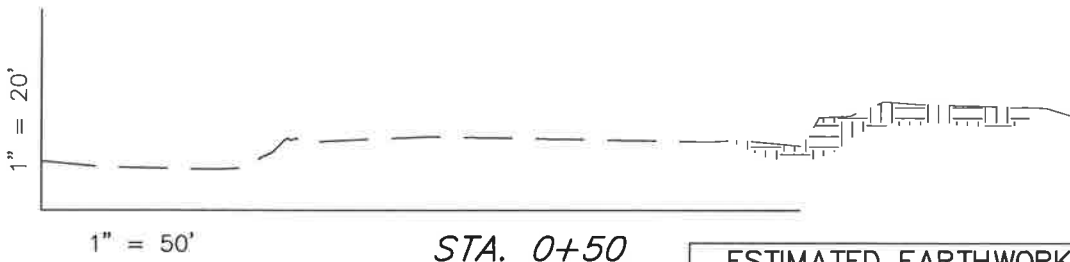
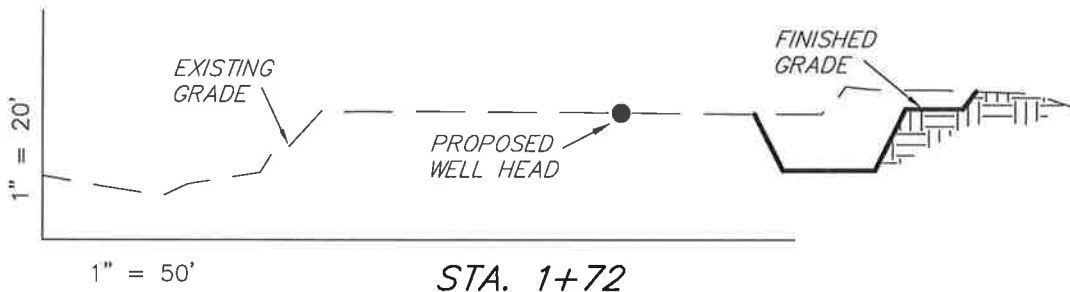
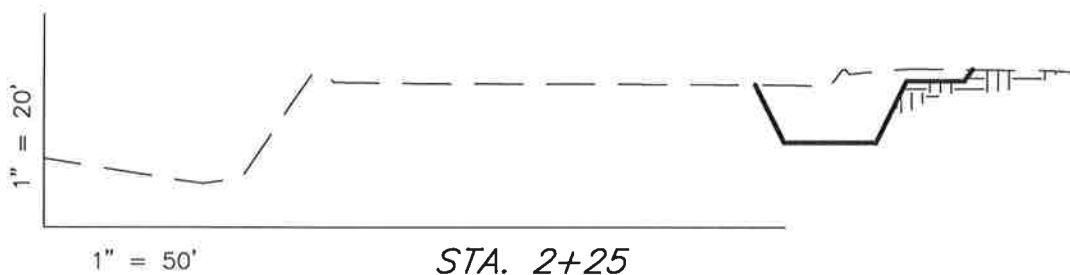
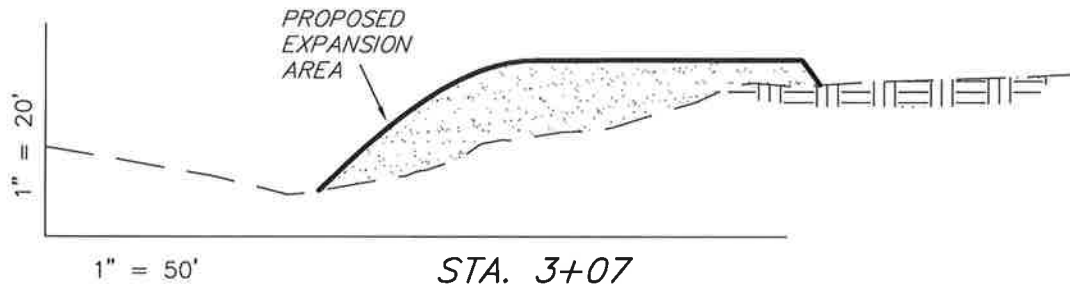
V1

Tri State
Land Surveying, Inc.

(435) 781-2501

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

SURVEYED BY: K.S.	DATE SURVEYED: 06-08-11	VERSION:	 Tri State (435) 781-2501 <i>Land Surveying, Inc.</i> 180 NORTH VERNAL AVE. VERNAL, UTAH 84078
DRAWN BY: M.W.	DATE DRAWN: 06-14-11	V1	
SCALE: 1" = 50'	REVISED:		

NEWFIELD EXPLORATION COMPANY**CROSS SECTIONS****11-2-9-15 (Existing Well)****Q-2-9-15 (Proposed Well)****N-2-9-15 (Proposed Well)***Pad Location: NESW Section 2, T9S, R15E, S.L.B.&M.*

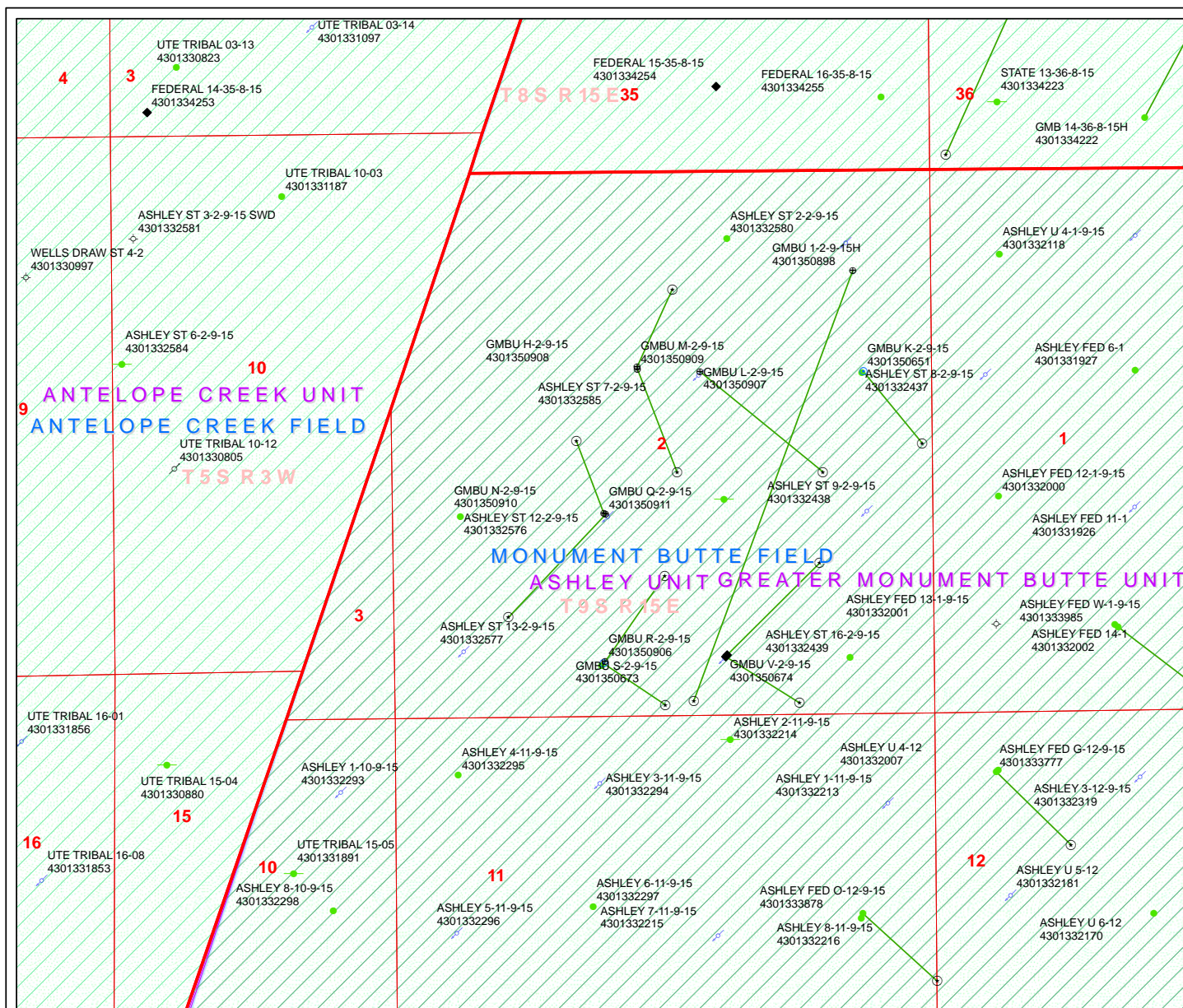
NOTE:
UNLESS OTHERWISE
NOTED ALL CUT/FILL
SLOPES ARE AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES
(No Shrink or swell adjustments have been used)
(Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	140	810	Topsoil is not included in Pad Cut	-670
PIT	690	0		690
TOTALS	830	810	220	20

SURVEYED BY: K.S.	DATE SURVEYED: 06-08-11	VERSION:
DRAWN BY: M.W.	DATE DRAWN: 06-14-11	V1
SCALE: 1" = 50'	REVISED:	

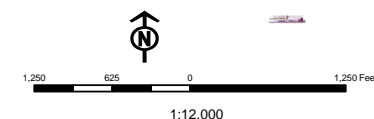
Tri State (435) 781-2501
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078



API Number: 4301350911
Well Name: GMBU Q-2-9-15
Township T0.9 . Range R1.5 . Section 02
Meridian: SLBM
Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:
 Map Produced by Diana Mason

Units	Wells Query
STATUS	STATUS
ACTIVE	APD - Approved Permit
EXPLORATORY	DRL - Spudded (Drilling Commenced)
GAS STORAGE	GIW - Gas Injection
PP OIL	GS - Gas Storage
NF SECONDARY	LA - Location Abandoned
PI OIL	LOC - New Location
PP GAS	OPS - Operation Suspended
PP GEOTHERMAL	PA - Plugged Abandoned
PP OIL	PGW - Producing Gas Well
SECONDARY	POW - Producing Oil Well
TERMINATED	RET - Returned APD
Fields	SGW - Shut-in Gas Well
Unknown	SOW - Shut-in Oil Well
ABANDONED	TA - Temp. Abandoned
ACTIVE	TW - Test Well
COMBINED	WDW - Water Disposal
INACTIVE	WIW - Water Injection Well
STORAGE	WSW - Water Supply Well
TERMINATED	
Sections	
Township	



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

August 3, 2011

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2011 Plan of Development Greater Monument
Butte Unit, Duchesne and Uintah Counties,
Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2011 within the Greater Monument Butte Unit, Duchesne and Uintah Counties, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ GREEN RIVER)		
43-013-50906	GMBU R-2-9-15	Sec 02 T09S R15E 0561 FSL 2050 FWL BHL Sec 02 T09S R15E 1367 FSL 2620 FEL
43-013-50907	GMBU L-2-9-15	Sec 02 T09S R15E 1977 FNL 2241 FEL BHL Sec 02 T09S R15E 2357 FSL 1068 FEL
43-013-50908	GMBU H-2-9-15	Sec 02 T09S R15E 1893 FNL 1639 FWL BHL Sec 02 T09S R15E 1171 FNL 2510 FEL
43-013-50909	GMBU M-2-9-15	Sec 02 T09S R15E 1913 FNL 1641 FWL BHL Sec 02 T09S R15E 2377 FSL 2492 FEL
43-013-50910	GMBU N-2-9-15	Sec 02 T09S R15E 2015 FSL 2037 FWL BHL Sec 02 T09S R15E 2615 FNL 1043 FWL
43-013-50911	GMBU Q-2-9-15	Sec 02 T09S R15E 2001 FSL 2053 FWL BHL Sec 02 T09S R15E 0994 FSL 1106 FWL

This office has no objection to permitting the wells at this time.

Michael L. Coulthard

Digitally signed by Michael L. Coulthard
DN: cn=Michael L. Coulthard, o=Bureau of Land Management,
ou=Branch of Minerals, email=Michael_Coulthard@blm.gov, c=US
Date: 2011.08.03 14:18:49 -06'00'

RECEIVED: August 04, 2011

bcc: File - Greater Monument Butte Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:8-3-11



VIA ELECTRONIC DELIVERY

August 9, 2011

State of Utah, Division of Oil, Gas and Mining
ATTN: Diana Mason
P.O. Box 145801
Salt Lake City, UT 84114-5801

RE: Directional Drilling
GMBU Q-2-9-15
Greater Monument Butte (Green River) Unit

Surface Hole: T9S-R15E Section 2: NESW (ML-43538)
2001' FSL 2053' FWL

At Target: T9S-R15E Section 2: SWSW (ML-43538)
994' FSL 1106' FWL

Duchesne County, Utah

Dear Ms. Mason:

Pursuant to the filing by Newfield Production Company (NPC) of an Application for Permit to Drill the above referenced well dated 7/28/2011, a copy of which is attached, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

The surface hole and target locations of this well are both within the boundaries of the Greater Monument Butte Unit (UTU-87538X), of which Newfield certifies that it is the operator. Further, Newfield certifies that all lands within 460 feet of the entire directional well bore are within the Greater Monument Butte Unit.

NPC is permitting this well as a directional well in order to mitigate surface disturbance by utilizing pre-existing roads and pipelines.

NPC hereby requests our application for permit to drill be granted pursuant to R649-3-11. If you have any questions or require further information, please contact the undersigned at 303-383-4153 or by email at pburns@newfield.com. Your consideration in this matter is greatly appreciated.

Sincerely,
Newfield Production Company

A handwritten signature in blue ink, appearing to read "P. Burns".

Peter Burns
Land Associate

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐
(highlight changes)

APPLICATION FOR PERMIT TO DRILL				5. MINERAL LEASE NO: ML-43538	6. SURFACE: State
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>				7. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA	
8. TYPE OF WELL: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>				8. UNIT or CA AGREEMENT NAME: Greater Monument Butte	
2. NAME OF OPERATOR: Newfield Production Company				9. WELL NAME and NUMBER: GMBU Q-2-9-15	
3. ADDRESS OF OPERATOR: Route #3 Box 3630 CITY Myton STATE UT ZIP 84052				10. FIELD AND POOL, OR WILDCAT: Monument Butte	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: NE/SW 2001' FSL 2053' FWL Sec. 2 T9S R15E AT PROPOSED PRODUCING ZONE: SW/SW 994' FSL 1106' FWL Sec. 2 T9S R15E				11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 2 9S 15E	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: Approximately 14.1 miles southwest of Myton, Utah				12. COUNTY: Duchesne	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) Approx. 994' f/lse line, NA' f/unit line		16. NUMBER OF ACRES IN LEASE: 621.07 acres		17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 20 acres	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) Approx. 963'		19. PROPOSED DEPTH: 6,429		20. BOND DESCRIPTION: #B001834	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 6029' GL		22. APPROXIMATE DATE WORK WILL START: 3rd Qtr. 2011		23. ESTIMATED DURATION: (15) days from SPUD to rig release	

24.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
12 1/4	8 5/8 J-55 24.0	300	Class G w/2% CaCl 138 sx +/- 1.17 15.8
7 7/8	5 1/2 J-55 15.5	6,429	Lead(Prem Lite II) 305 sx +/- 3.26 11.0
			Tail (50/50 Poz) 363 sx +/- 1.24 14.3

25.

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

- ☒ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
☒ EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER

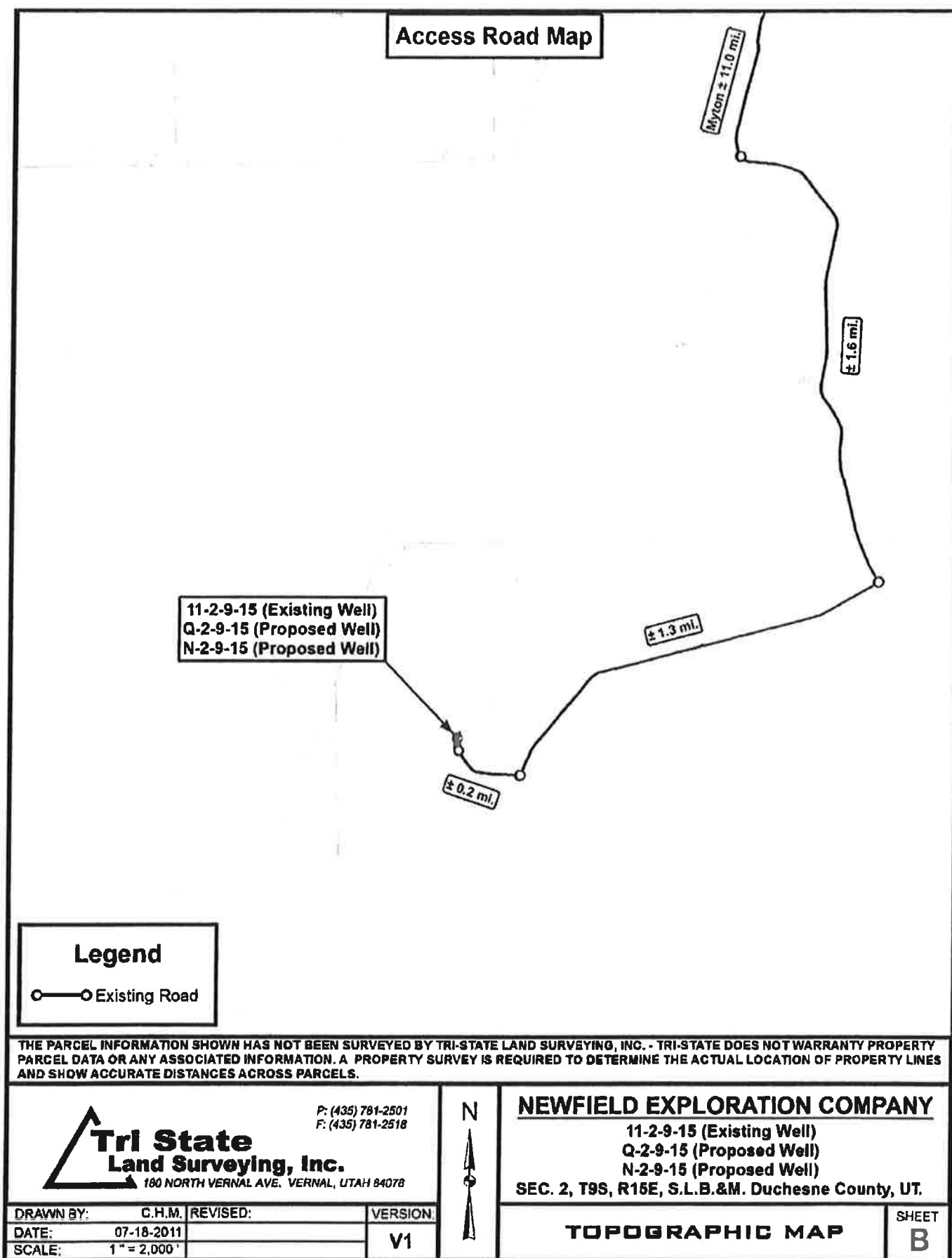
- ☒ COMPLETE DRILLING PLAN
☐ FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) Mandie CrozierTITLE Regulatory SpecialistSIGNATURE Mandie CrozierDATE 7/2/11

(This space for State use only)

API NUMBER ASSIGNED: _____

APPROVAL: _____



From: Jim Davis
To: Hill, Brad; Mason, Diana
CC: Bonner, Ed; Garrison, LaVonne; mcrozier@newfield.com; teaton@newfield...
Date: 9/20/2011 3:45 PM
Subject: Newfield APD approvals

The following APDs have been approved by SITLA including arch and paleo clearance.

4304751877 GMBU I-32-8-18
4304751878 GMBU H-32-8-18
4304751879 GMBU L-32-8-18
4304751880 GMBU R-32-8-18
4304751881 GMBU M-32-8-18
4304751882 GMBU G-32-8-18
4304751883 GMBU N-32-8-18
4304751884 GMBU S-32-8-18
4301350898 GMBU 1-2-9-15H
4301350906 GMBU R-2-9-15
4301350907 GMBU L-2-9-15
4301350908 GMBU H-2-9-15
4301350909 GMBU M-2-9-15
4301350910 GMBU N-2-9-15
4301350911 GMBU Q-2-9-15

Thanks.

-Jim

Jim Davis
Utah Trust Lands Administration
jimdavis1@utah.gov
Phone: (801) 538-5156

Well Name	NEWFIELD PRODUCTION COMPANY GMBU Q-2-9-15 43013			
String	Surf	Prod		
Casing Size(")	8.625	5.500		
Setting Depth (TVD)	300	6255		
Previous Shoe Setting Depth (TVD)	0	300		
Max Mud Weight (ppg)	8.3	8.4		
BOPE Proposed (psi)	500	2000		
Casing Internal Yield (psi)	2950	4810		
Operators Max Anticipated Pressure (psi)	2708	8.3		

Calculations	Surf String	8.625	"
Max BHP (psi)	.052*Setting Depth*MW=	129	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	93	YES air drill
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	63	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	63	NO OK
Required Casing/BOPE Test Pressure=		300	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

Calculations	Prod String	5.500	"
Max BHP (psi)	.052*Setting Depth*MW=	2732	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	1981	YES
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	1356	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	1422	NO Reasonable for area
Required Casing/BOPE Test Pressure=		2000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		300	psi *Assumes 1psi/ft frac gradient

Calculations	String		"
Max BHP (psi)	.052*Setting Depth*MW=		
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO
Required Casing/BOPE Test Pressure=			psi
*Max Pressure Allowed @ Previous Casing Shoe=			psi *Assumes 1psi/ft frac gradient

Calculations	String		"
Max BHP (psi)	.052*Setting Depth*MW=		
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO
Required Casing/BOPE Test Pressure=			psi

API Well Number: 43013509110000

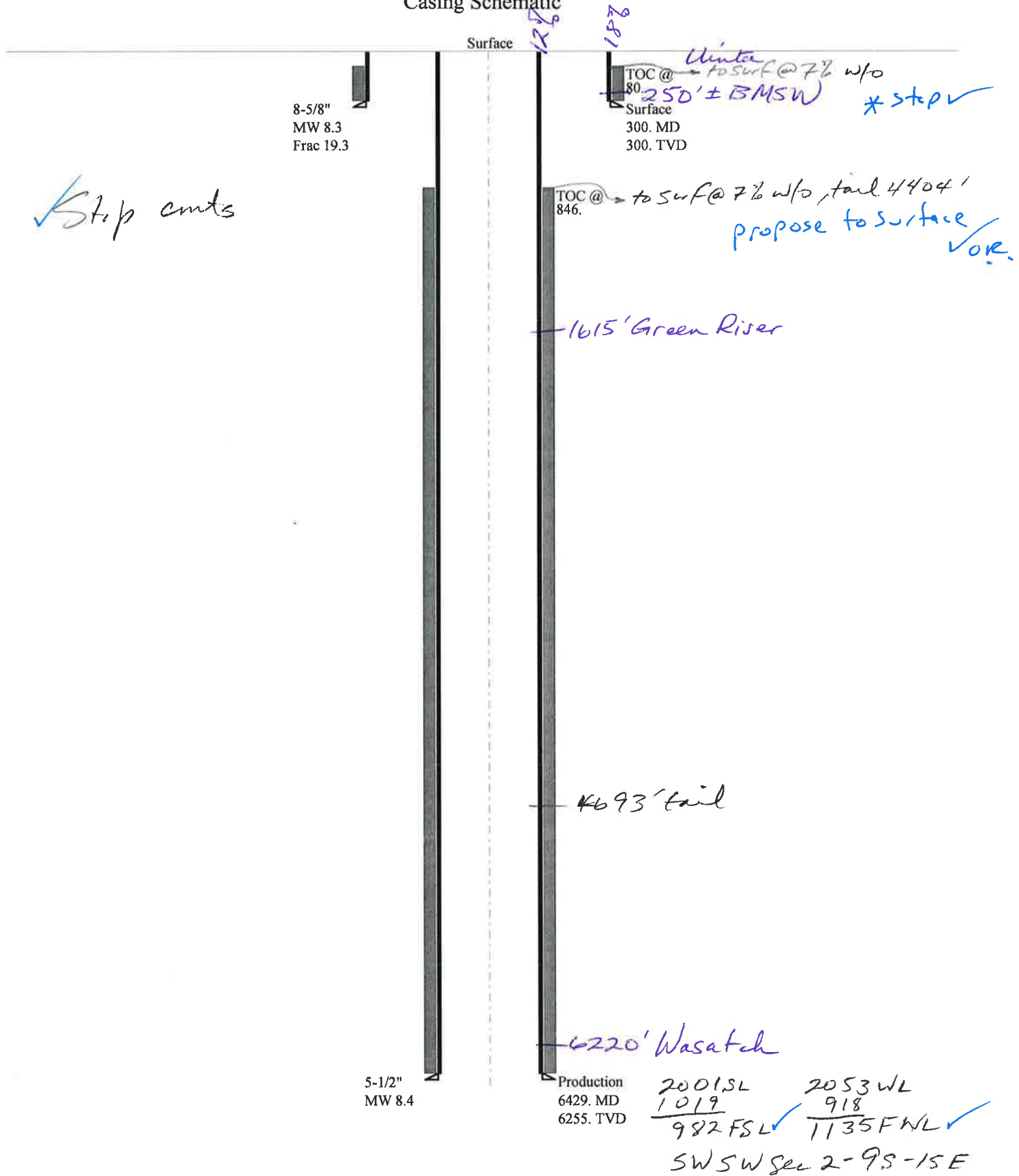
*Max Pressure Allowed @ Previous Casing Shoe=

psi *Assumes 1psi/ft frac gradient

RECEIVED: September 20, 2011

43013509110000 GMBU Q-2-9-15

Casing Schematic



Well name:	43013509110000 GMBU Q-2-9-15	
Operator:	NEWFIELD PRODUCTION COMPANY	
String type:	Surface	Project ID: 43-013-50911
Location:	DUCHESNE COUNTY	

Design parameters:**Collapse**

Mud weight: 8.330 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 78 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: 80 ft

Burst

Max anticipated surface pressure: 264 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 300 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.
Neutral point: 262 ft

Non-directional string.**Re subsequent strings:**

Next setting depth: 6,255 ft
Next mud weight: 8.400 ppg
Next setting BHP: 2,730 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 300 ft
Injection pressure: 300 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	300	8.625	24.00	J-55	ST&C	300	300	7.972	1544

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	130	1370	10.557	300	2950	9.83	7.2	244	33.90 J

Prepared Helen Sadik-Macdonald
by: Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: August 18, 2011
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 300 ft, a mud weight of 8.33 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	43013509110000 GMBU Q-2-9-15	
Operator:	NEWFIELD PRODUCTION COMPANY	
String type:	Production	Project ID: 43-013-50911
Location:	DUCHESNE COUNTY	

Design parameters:**Collapse**

Mud weight: 8.400 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 162 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: 846 ft

Burst

Max anticipated surface pressure: 1,353 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 2,730 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Tension is based on air weight.
Neutral point: 5,606 ft

Directional Info - Build & Hold

Kick-off point: 600 ft
Departure at shoe: 1372 ft
Maximum dogleg: 1.5 °/100ft
Inclination at shoe: 14.9 °

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	6429	5.5	15.50	J-55	LT&C	6255	6429	4.825	22701

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	2730	4040	1.480	2730	4810	1.76	97	217	2.24 J

Prepared by: Helen Sadik-Macdonald
Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: August 18, 2011
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 6255 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator	NEWFIELD PRODUCTION COMPANY				
Well Name	GMBU Q-2-9-15				
API Number	43013509110000	APD No	4291	Field/Unit	MONUMENT BUTTE
Location: 1/4,1/4	NESW	Sec 2	Tw 9.0S	Rng 15.0E	2001 FSL 2053 FWL
GPS Coord (UTM)	Surface Owner				

Participants

M. Jones (UDOGM), T. Eaton (Newfield), J. Davis (SITLA), A. Hansen (DWR).

Regional/Local Setting & Topography

This location is proposed approximately 14 road miles southwest of Myton, Utah. The topography is rolling hills and dry wash drainages. Proposed bottom hole is southwest of wellhead. This well is proposed on an existing well pad. There is approximately 20' of additional pad disturbance planned on the east side. The old pit area will be re-disturbed for the new pit.

Surface Use Plan

Current Surface Use

Grazing
Wildlife Habitat

New Road Miles	Well Pad	Src Const Material	Surface Formation
0	Width 110 Length 307	Onsite	

Ancillary Facilities

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

existing well pad.

Soil Type and Characteristics

gravely clay.

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diversion Required? N

Berm Required? Y

Berm location to prevent fluids from entering and/or leaving the pad.

Erosion Sedimentation Control Required? N

Paleo Survey Run? N Paleo Potential Observed? N Cultural Survey Run? N Cultural Resources? N

Reserve Pit

Site-Specific Factors

Site Ranking

Distance to Groundwater (feet)	>200	0	
Distance to Surface Water (feet)	>1000	0	
Dist. Nearest Municipal Well (ft)	>5280	0	
Distance to Other Wells (feet)		20	
Native Soil Type	Mod permeability	10	
Fluid Type	Fresh Water	5	
Drill Cuttings	Normal Rock	0	
Annual Precipitation (inches)	10 to 20	5	
Affected Populations			
Presence Nearby Utility Conduits	Not Present	0	
	Final Score	40	1 Sensitivity Level

Characteristics / Requirements

Dugout earthen (80' x 40' x 8') excluded from pad dimensions.

Closed Loop Mud Required? N Liner Required? Y Liner Thickness 16 Pit Underlayment Required? N

Other Observations / Comments

Mark Jones
Evaluator

8/10/2011
Date / Time

Application for Permit to Drill Statement of Basis

9/27/2011

Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
4291	43013509110000	SITLA	OW	S	No
Operator	NEWFIELD PRODUCTION COMPANY		Surface Owner-APD		
Well Name	GMBU Q-2-9-15		Unit	GMBU (GRRV)	
Field	MONUMENT BUTTE		Type of Work	DRILL	
Location	NESW 2 9S 15E S 2001 FSL 2053 FWL GPS Coord (UTM) 568170E 4434300N				

Geologic Statement of Basis

Newfield proposes to set 300 feet of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 250'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of Section 2. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. The proposed casing and cement should adequately protect useable sources of underground water.

Brad Hill
APD Evaluator

8/16/2011
Date / Time

Surface Statement of Basis

This location is proposed approximately 14 road miles southwest of Myton, Utah. The topography is rolling hills and dry wash drainages. Proposed bottom hole is southwest of wellhead. This well is proposed on an existing well pad. There is approximately 20' of additional pad disturbance planned on the east side. The old pit area will be re-disturbed for the new pit.

Mark Jones
Onsite Evaluator

8/10/2011
Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils shall be properly installed and maintained in the reserve pit.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

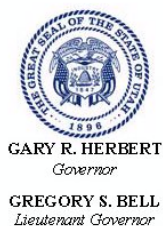
RECEIVED: September 27, 2011

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 7/29/2011**API NO. ASSIGNED:** 43013509110000**WELL NAME:** GMBU Q-2-9-15**OPERATOR:** NEWFIELD PRODUCTION COMPANY (N2695)**PHONE NUMBER:** 435 646-4825**CONTACT:** Mandie Crozier**PROPOSED LOCATION:** NESW 02 090S 150E**Permit Tech Review:** ☒**SURFACE:** 2001 FSL 2053 FWL**Engineering Review:** ☒**BOTTOM:** 0994 FSL 1106 FWL**Geology Review:** ☒**COUNTY:** DUCHESNE**LATITUDE:** 40.05809**LONGITUDE:** -110.20073**UTM SURF EASTINGS:** 568170.00**NORTHINGS:** 4434300.00**FIELD NAME:** MONUMENT BUTTE**LEASE TYPE:** 3 - State**LEASE NUMBER:** ML-43538**PROPOSED PRODUCING FORMATION(S):** GREEN RIVER**SURFACE OWNER:** 3 - State**COALBED METHANE:** NO**RECEIVED AND/OR REVIEWED:**☒ **PLAT**☒ **Bond:** STATE/FEE - B001834☐ **Potash**☐ **Oil Shale 190-5**☐ **Oil Shale 190-3**☐ **Oil Shale 190-13**☒ **Water Permit:** 437478☐ **RDCC Review:**☐ **Fee Surface Agreement**☐ **Intent to Commingle****Commingle Approved****LOCATION AND SITING:**☐ **R649-2-3.****Unit:** GMBU (GRRV)☐ **R649-3-2. General**☐ **R649-3-3. Exception**☒ **Drilling Unit****Board Cause No:** Cause 213-11**Effective Date:** 11/30/2009**Siting:** Suspends General Siting☒ **R649-3-11. Directional Drill****Comments:** Presite Completed

Stipulations: 5 - Statement of Basis - bhill
8 - Cement to Surface -- 2 strings - hmadonald
15 - Directional - dmason
27 - Other - bhill

RECEIVED: September 27, 2011



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: GMBU Q-2-9-15
API Well Number: 43013509110000
Lease Number: ML-43538
Surface Owner: STATE
Approval Date: 9/27/2011

Issued to:

NEWFIELD PRODUCTION COMPANY , Rt 3 Box 3630 , Myton, UT 84052

Authority:

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 213-11. The expected producing formation or pool is the GREEN RIVER Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Production casing cement shall be brought up to or above the top of the unitized interval for the Greater Monument Butte Unit (Cause No. 213-11).

Cement volumes for the 8 5/8" and 5 1/2" casing strings shall be determined from actual hole diameters in order to place cement from the pipe setting depths back to the surface.

Additional Approvals:

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan – contact Dustin Doucet
- Significant plug back of the well – contact Dustin Doucet

- Plug and abandonment of the well – contact Dustin Doucet

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well – contact Carol Daniels
OR
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at <http://oilgas.ogm.utah.gov>
- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing – contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program – contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well – contact Dan Jarvis

Contact Information:

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office
801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office
801-231-8956 - after office hours

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

Approved By:



For John Rogers
Associate Director, Oil & Gas

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross #29 Submitted
By Mitch Benson Phone Number 435-823-5885
Well Name/Number GMBU Q-2-9-15
Qtr/Qtr NE/SW Section 2 Township 9S Range 15E
Lease Serial Number ML-43538
API Number 43-013-50911

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 11/29/11 9:00 AM ☒ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☒ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 11/29/11 2:00 AM ☐ PM ☒

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time _____ AM ☐ PM ☐

Remarks _____

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:
UTAH STATE ML-43538

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: GMBU
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		8. WELL NAME and NUMBER: GMBU Q-2-9-15
PHONE NUMBER 435.646.3721		9. API NUMBER: 4301350911
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 2001 FSH 2053 FWL		10. FIELD AND POOL, OR WILDCAT: GREATER MB UNIT
OTR/OTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: , 2, T9S, R15E		COUNTY: DUCHESNE
		STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 12/07/2011	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Spud Notice
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 11/29/11 MIRU Ross #29. Spud well @2:00 AM. Drill 310' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24# csgn. Set @ 301.72. On 12/4/11 cement with 160 sks of class "G" w/ 2% CaCL2 + 0.25#/sk Cello- Flake Mixed @ 15.8ppg w/ 1.17ft3/sk yield. Returned 9 barrels cement to pit. WOC.

NAME (PLEASE PRINT) Branden Arnold TITLE _____
SIGNATURE B. d. Flod DATE 12/07/2011

(This space for State use only)

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DEC 13 2011
DIV. OF OIL, GAS & MINING

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8" CASING SET AT 301.72

LAST CASING 14 SET AT 9
 DATUM 13
 DATUM TO CUT OFF CASING 13
 DATUM TO BRADENHEAD FLANGE 13
 TD DRILLER 310 LOGGER _____
 HOLE SIZE 12 1/4"

OPERATOR Newfield Exploration Company
 WELL GMBU Q-2-9-15
 FIELD/PROSPECT Monument Butte
 CONTRACTOR & RIG # Ross # 29

LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION		WT / FT	GRD	THREAD	CONDT	LENGTH
1		wellhead					A	1.42
7	8 5/8"	casing (shoe jt 41.25)		24	J-55	STC	A	288.4
1	8 5/8"	Guide Shoe					A	0.9
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING				290.72
TOTAL LENGTH OF STRING		290.72	7	LESS CUT OFF PIECE				2
LESS NON CSG. ITEMS		2.32		PLUS DATUM TO T/CUT OFF CSG				13
PLUS FULL JTS. LEFT OUT		0		CASING SET DEPTH				301.72
TOTAL		288.4	7	} COMPARE				
TOTAL CSG. DEL. (W/O THRDS)								
TIMING								
BEGIN RUN CSG.	Spud	12:00 PM	11/29/2011	GOOD CIRC THRU JOB <u>Yes</u>				
CSG. IN HOLE		6:00 AM	11/29/2011	Bbls CMT CIRC TO SURFACE <u>9</u>				
BEGIN CIRC		1:03 PM	12/4/2011	RECIPROCATED PIPI <u>No</u>				
BEGIN PUMP CMT		1:16 PM	12/4/2011	BUMPED PLUG TO <u>355</u>				
BEGIN DSPL. CMT		1:28 PM	12/4/2011					
PLUG DOWN		1:33 PM	12/4/2011					

[illegible]

COMPANY REPRESENTATIVE

Branden Arnold

DATE 12/7/2011

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM -FORM 6

OPERATOR: **NEWFIELD PRODUCTION COMPANY**
ADDRESS: **RT. 3 BOX 3630**
MYTON, UT 84052

OPERATOR ACCT. NO. **N2695**

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION				COUNTY	SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG			
B	99999	17400	4301350699	GMBU U-7-9-16	NWNW	7	9S	16E	DUCHESNE	11/21/2011	
WELL 1 COMMENTS: <i>processed 11/30/11 Duplicate</i>											
B	99999	17400 ✓	50703 4301350700	GMBU G-8-9-16	NWNW	8	9S	16E	DUCHESNE	12/5/2011	12/16/11
<i>GRRV</i> <i>BHL=SENE</i>											
B	99999	17400 ✓	4301350907	GMBU L-2-9-15	SWNE	2	9S	15E	DUCHESNE	11/29/2011	12/16/11
<i>GRRV</i> <i>BHL=NESE</i>											
B	99999	17400 ✓	4301350728	GMBU W-6-9-16	NENW	7 8	9S	16E	DUCHESNE	11/30/2011	12/16/11
<i>GRRV</i> <i>BHL=Sec 6 SWSE</i>											
B	99999	17400 ✓	4301350911	GMBU Q-2-9-15	NESW	2	9S	15E	DUCHESNE	11/29/2011	12/16/11
<i>GRRV</i> <i>BHL=SWSW</i>											
B	99999	17400 ✓	4301350910	GMBU N-2-9-15	NESW	2	9S	15E	DUCHESNE	11/30/2011	12/16/11
<i>GRRV</i> <i>BHL=SWNW</i>											

ACTION CODES (See instructions on back of form)

- A - 1 new entity for new well (single well only)
- B - 1 well to existing entity (group or unit well)
- C - from one existing entity to another existing entity
- D - well from one existing entity to a new entity
- E - other (explain in comments section)

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DEC 12 2011

[Signature]
Jentri Park
Production Clerk
12/08/11

NOTE: Use COMMENT section to explain why each Action Code was selected

DIV. OF OIL, GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9			
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-43538			
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)			
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		8. WELL NAME and NUMBER: GMBU Q-2-9-15			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2001 FSL 2053 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 02 Township: 09.0S Range: 15.0E Meridian: S		9. API NUMBER: 43013509110000			
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE			
COUNTY: DUCHESNE		STATE: UTAH			
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
TYPE OF SUBMISSION	TYPE OF ACTION				
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 3/15/2012	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100%;" type="text"/> </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100%;" type="text"/>
<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100%;" type="text"/>			
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <div style="text-align: center; margin-top: 20px;"> The above well was placed on production on 03/15/2012 at 15:00 hours. </div> <div style="text-align: right; margin-top: 20px;"> Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY May 08, 2012 </div>					
NAME (PLEASE PRINT) Jennifer Peatross	PHONE NUMBER 435 646-4885	TITLE Production Technician			
SIGNATURE N/A	DATE 4/23/2012				

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other										5. Lease Serial No. ML-43538	
b. Type of Completion: <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr., Other: _____										6. If Indian, Allottee or Tribe Name NA	
2. Name of Operator NEWFIELD EXPLORATION COMPANY										7. Unit or CA Agreement Name and No. GMBU (GRRV)	
3. Address 1401 17TH ST. SUITE 1000 DENVER, CO 80202										8. Lease Name and Well No. GMBU Q-2-9-15	
3a. Phone No. (include area code) (435) 646-3721										9. AFI Well No. 43-013-50911	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 2001' FSL & 2053' FWL (NE/SW) SEC. 2, T9S, R15E (ML-43538) At top prod. interval reported below 1343' FSL & 1456' FWL (NE/SW) SEC. 2, T9S, R15E (ML-43538) At total depth 967' FSL & 1133' FWL (SW/SW) SEC. 2, T9S, R15E (ML-43538) <i>Bill by HSM</i>										10. Field and Pool or Exploratory MONUMENT BUTTE	
11. Sec., T., R., M., on Block and Survey or Area SEC. 2, T9S, R15E										12. County or Parish DUCHESNE	
13. State UT										17. Elevations (DF, RKB, RT, GL)* 6029' GL 6129' KB	
14. Date Spudded 11/29/2011										15. Date T.D. Reached 02/12/2012	
16. Date Completed 03/15/2012 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.										18. Total Depth: MD 6429' TVD 6254'	
19. Plug Back T.D.: MD 6400' TVD 6226										20. Depth Bridge Plug Set: MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) DUAL IND GRD, SP, COMP. DENSITY, COMP. NEUTRON, GR, CALIPER, CMT BOND										22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit copy)	
23. Casing and Liner Record (Report all strings set in well)											
Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled		
12-1/4"	8-5/8" J-55	24#	0	299'		160 CLASS "G"					
7-7/8"	5-1/2" J-55	15.5#	0	6379'		250 PRIMLITE		40'			
						475 50/50 POZ					
24. Tubing Record											
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)			
2-7/8"	EOT@ 6275'	TA @ 6176'									
25. Producing Intervals											
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status					
A) Green River	4409'	6180'	5884-6180'	.36"	21						
B)			4409-5576'	.34"	51						
C)											
D)											
27. Acid, Fracture, Treatment, Cement Squeeze, etc.											
Depth Interval	Amount and Type of Material										
4409-6180'	Frac w/ 268029# 20/40 white sand and 2751 bbls Lightning 17 fluid, in 5 stages.										
28. Production - Interval A											
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method		
3/15/12	3/25/12	24	→	1	1	84			2-1/2" x 1-3/4" x 24' RHAC Pump		
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status			
			→					PRODUCING			
28a. Production - Interval B											
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method		
			→								
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status			
			→								

*(See instructions and spaces for additional data on page 2)

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28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

29. Disposition of Gas (Solid, used for fuel, vented, etc.)

USED FOR FUEL

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
GREEN RIVER	4409'	6180'		GARDEN GULCH MARKER	3824'
				GARDEN GULCH 1	4063'
				GARDEN GULCH 2	4179'
				POINT 3 MARKER	4444'
				X MRKR	4721'
				Y MRKR	4755'
				DOUGLAS CREEK MRKR	4869'
				BI-CARBONATE	5124'
				B LIMESTONE	5235'
				CASTLE PEAK	5802'
				BASAL CARBONATE	6245'
				WASATCH	6378'

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey
☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Jennifer PeatrossTitle Production TechnicianSignature Date 04/24/2012

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

(Form 3160-4, page 2)

NEWFIELD



NEWFIELD EXPLORATION

USGS Myton SW (UT)

SECTION 2 T9, R15

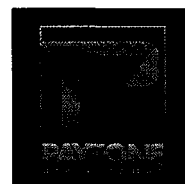
Q-2-9-15

Wellbore #1

Design: Actual

Standard Survey Report

18 February, 2012





Payzone Directional Survey Report



Company:	NEWFIELD EXPLORATION	Local Co-ordinate Reference:	Well Q-2-9-15
Project:	USGS Myton SW (UT)	TVD Reference:	Q-2-9-15 @ 6041.0ft (Capstar 329)
Site:	SECTION 2 T9, R15	MD Reference:	Q-2-9-15 @ 6041.0ft (Capstar 329)
Well:	Q-2-9-15	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 2003.21 Single User Db

Project:	USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site	SECTION 2 T9, R15				
Site Position:		Northing:	7,191,145.41 ft	Latitude:	40° 3' 15.350 N
From:	Lat/Long	Easting:	2,005,088.49 ft	Longitude:	110° 11' 49.770 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.83 °

Well	Q-2-9-15, SHL LAT: 40 03 29.37 LONG: -110 12 05.83					
Well Position	+N-S	0.0 ft	Northing:	7,192,545.66 ft	Latitude:	40° 3' 29.370 N
	+E-W	0.0 ft	Easting:	2,003,819.30 ft	Longitude:	110° 12' 5.830 W
Position Uncertainty	0.0 ft	Wellhead Elevation:	6,041.0 ft	Ground Level:	6,029.0 ft	

Wellbore:	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	6/20/2011	11.37	65.78	52,252

Design:	Actual				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N-S (ft)	+E-W (ft)	Direction (°)	
	0.0	0.0	0.0	222.02	

Survey Program	Date 2/18/2012			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
348.0	6,428.7	Survey #1 (Wellbore #1)	MWD	MWD - Standard

Survey	Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
	348.0	0.20	77.30	348.0	0.1	0.6	-0.5	0.06	0.06	0.00
	378.0	0.30	164.90	378.0	0.1	0.7	-0.5	1.18	0.33	292.00
	409.0	0.50	210.80	409.0	-0.1	0.6	-0.3	1.17	0.65	148.06
	439.0	0.50	215.60	439.0	-0.3	0.5	-0.1	0.14	0.00	16.00
	470.0	0.60	220.90	470.0	-0.6	0.3	0.2	0.36	0.32	17.10
	500.0	0.80	226.90	500.0	-0.8	0.0	0.6	0.71	0.67	20.00
	531.0	1.00	246.70	531.0	-1.1	-0.4	1.1	1.18	0.65	63.87
	561.0	1.10	230.30	561.0	-1.4	-0.8	1.6	1.05	0.33	-54.67
	592.0	1.70	233.50	592.0	-1.8	-1.4	2.3	1.95	1.94	10.32
	622.0	2.00	244.40	622.0	-2.3	-2.3	3.3	1.54	1.00	36.33
	653.0	2.70	238.40	652.9	-3.0	-3.4	4.5	2.39	2.26	-19.35
	683.0	3.20	234.30	682.9	-3.8	-4.7	5.9	1.81	1.67	-13.67

Payzone Directional Survey Report



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 2 T9, R15
Well: Q-2-9-15
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference: Well Q-2-9-15
TVD Reference: Q-2-9-15 @ 6041.0ft (Capstar 329)
MD Reference: Q-2-9-15 @ 6041.0ft (Capstar 329)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
714.0	3.30	236.20	713.8	-4.8	-6.1	7.7	0.47	0.32	6.13
744.0	4.00	237.30	743.8	-5.9	-7.7	9.5	2.34	2.33	3.67
775.0	4.50	232.90	774.7	-7.2	-9.6	11.7	1.92	1.61	-14.19
806.0	5.40	233.10	805.6	-8.8	-11.7	14.4	2.90	2.90	0.65
836.0	6.20	233.20	835.4	-10.6	-14.1	17.3	2.67	2.67	0.33
880.0	6.80	231.40	879.1	-13.7	-18.1	22.2	1.44	1.36	-4.09
924.0	7.20	229.20	922.8	-17.1	-22.2	27.5	1.09	0.91	-5.00
968.0	7.60	224.50	966.5	-21.0	-26.3	33.2	1.65	0.91	-10.68
1,011.0	8.10	223.50	1,009.0	-25.2	-30.4	39.1	1.21	1.16	-2.33
1,055.0	8.50	222.10	1,052.6	-29.8	-34.7	45.4	1.02	0.91	-3.18
1,099.0	9.10	222.00	1,096.1	-34.8	-39.2	52.1	1.36	1.36	-0.23
1,143.0	9.50	222.50	1,139.5	-40.1	-44.0	59.3	0.93	0.91	1.14
1,187.0	9.70	221.50	1,182.9	-45.6	-48.9	66.6	0.59	0.45	-2.27
1,231.0	10.20	222.90	1,226.2	-51.2	-54.0	74.2	1.26	1.14	3.18
1,274.0	11.00	225.40	1,268.5	-56.9	-59.5	82.1	2.15	1.86	5.81
1,318.0	11.30	226.90	1,311.6	-62.7	-65.7	90.6	0.95	0.68	3.41
1,362.0	11.90	229.80	1,354.7	-68.6	-72.3	99.4	1.90	1.36	6.59
1,406.0	12.40	228.90	1,397.8	-74.7	-79.3	108.6	1.22	1.14	-2.05
1,449.0	12.90	228.20	1,439.7	-80.9	-86.4	117.9	1.22	1.16	-1.63
1,493.0	13.30	228.20	1,482.6	-87.5	-93.8	127.8	0.91	0.91	0.00
1,537.0	13.30	228.60	1,525.4	-94.3	-101.4	137.9	0.21	0.00	0.91
1,581.0	13.30	226.70	1,568.2	-101.1	-108.9	148.0	0.99	0.00	-4.32
1,625.0	13.90	226.00	1,611.0	-108.2	-116.3	158.3	1.41	1.36	-1.59
1,669.0	13.80	225.00	1,653.7	-115.6	-123.9	168.8	0.59	-0.23	-2.27
1,712.0	13.70	222.80	1,695.5	-123.0	-130.9	179.0	1.24	-0.23	-5.12
1,756.0	13.50	221.50	1,738.2	-130.6	-137.9	189.3	0.83	-0.45	-2.95
1,800.0	13.40	221.50	1,781.0	-138.3	-144.7	199.6	0.23	-0.23	0.00
1,844.0	13.70	223.80	1,823.8	-145.9	-151.6	209.9	1.40	0.68	5.23
1,888.0	14.10	223.80	1,866.5	-153.5	-159.0	220.5	0.91	0.91	0.00
1,931.0	14.40	222.80	1,908.2	-161.2	-166.2	231.0	0.90	0.70	-2.33
1,975.0	13.70	222.80	1,950.9	-169.0	-173.5	241.7	1.59	-1.59	0.00
2,019.0	13.40	219.30	1,993.7	-176.8	-180.3	252.0	1.98	-0.68	-7.95
2,063.0	13.80	222.80	2,036.4	-184.6	-187.0	262.4	2.08	0.91	7.95
2,107.0	14.40	221.30	2,079.1	-192.6	-194.2	273.1	1.60	1.36	-3.41
2,150.0	14.40	220.90	2,120.7	-200.6	-201.3	283.8	0.23	0.00	-0.93
2,194.0	14.20	219.20	2,163.4	-208.9	-208.2	294.6	1.06	-0.45	-3.86
2,238.0	15.10	218.40	2,205.9	-217.6	-215.2	305.7	2.10	2.05	-1.82
2,282.0	16.00	219.40	2,248.3	-226.8	-222.6	317.5	2.13	2.05	2.27
2,326.0	16.50	220.50	2,290.6	-236.2	-230.5	329.8	1.33	1.14	2.50
2,370.0	17.00	220.70	2,332.7	-245.9	-238.8	342.5	1.14	1.14	0.45
2,413.0	17.10	221.70	2,373.8	-255.4	-247.1	355.1	0.72	0.23	2.33
2,457.0	16.60	221.50	2,415.9	-264.9	-255.6	367.9	1.14	-1.14	-0.45
2,501.0	16.60	222.40	2,458.1	-274.2	-264.0	380.4	0.58	0.00	2.05
2,545.0	16.60	221.00	2,500.3	-283.6	-272.3	393.0	0.91	0.00	-3.18
2,589.0	16.30	221.80	2,542.5	-293.0	-280.6	405.5	0.85	-0.68	1.82
2,632.0	15.80	220.70	2,583.8	-301.9	-288.4	417.3	1.36	-1.16	-2.56
2,676.0	15.60	219.70	2,626.1	-311.0	-296.1	429.2	0.76	-0.45	-2.27
2,720.0	15.90	218.80	2,668.5	-320.2	-303.6	441.2	0.88	0.68	-2.05
2,764.0	15.90	218.60	2,710.8	-329.7	-311.2	453.2	0.12	0.00	-0.45
2,807.0	15.30	218.80	2,752.2	-338.7	-318.4	464.7	1.40	-1.40	0.47
2,851.0	15.00	217.70	2,794.7	-347.7	-325.5	476.2	0.94	-0.68	-2.50
2,895.0	14.60	218.90	2,837.2	-356.5	-332.5	487.4	1.15	-0.91	2.73
2,939.0	15.35	222.00	2,879.7	-365.2	-339.9	498.8	2.49	1.70	7.05
2,983.0	16.30	223.60	2,922.1	-374.0	-348.0	510.8	2.38	2.16	3.64

Payzone Directional Survey Report



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 2 T9, R15
Well: Q-2-9-15
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference: Well Q-2-9-15
TVD Reference: Q-2-9-15 @ 6041.0ft (Capstar 329)
MD Reference: Q-2-9-15 @ 6041.0ft (Capstar 329)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
3,026.0	15.60	222.00	2,963.4	-382.6	-356.1	522.6	1.92	-1.63	-3.72
3,070.0	15.20	221.74	3,005.8	-391.3	-363.9	534.3	0.92	-0.91	-0.59
3,114.0	15.60	223.80	3,048.3	-399.9	-371.8	546.0	1.54	0.91	4.68
3,158.0	16.20	225.10	3,090.6	-408.5	-380.2	558.0	1.59	1.36	2.95
3,202.0	16.60	224.60	3,132.8	-417.3	-389.0	570.4	0.96	0.91	-1.14
3,245.0	15.90	222.80	3,174.1	-426.0	-397.3	582.5	2.01	-1.63	-4.19
3,289.0	16.40	223.20	3,216.3	-435.0	-405.7	594.7	1.16	1.14	0.91
3,333.0	16.88	224.86	3,258.5	-444.0	-414.4	607.3	1.54	1.09	3.77
3,377.0	17.40	223.70	3,300.5	-453.3	-423.5	620.2	1.41	1.18	-2.64
3,421.0	17.40	221.70	3,342.5	-463.0	-432.4	633.4	1.36	0.00	-4.55
3,464.0	17.30	221.30	3,383.6	-472.6	-440.9	646.2	0.36	-0.23	-0.93
3,508.0	17.49	221.60	3,425.6	-482.4	-449.6	659.4	0.48	0.43	0.68
3,552.0	17.30	221.50	3,467.5	-492.3	-458.3	672.5	0.44	-0.43	-0.23
3,596.0	17.20	221.10	3,509.6	-502.1	-466.9	685.6	0.35	-0.23	-0.91
3,640.0	16.70	220.64	3,551.7	-511.8	-475.3	698.4	1.18	-1.14	-1.05
3,684.0	16.30	219.50	3,593.8	-521.4	-483.4	710.9	1.17	-0.91	-2.59
3,727.0	16.00	218.40	3,635.1	-530.7	-490.9	722.8	1.00	-0.70	-2.56
3,771.0	15.60	217.60	3,677.5	-540.1	-498.3	734.8	1.04	-0.91	-1.82
3,815.0	14.80	217.04	3,719.9	-549.3	-505.3	746.3	1.85	-1.82	-1.27
3,859.0	14.50	217.30	3,762.5	-558.1	-512.0	757.4	0.70	-0.68	0.59
3,903.0	14.00	216.70	3,805.2	-566.8	-518.5	768.1	1.18	-1.14	-1.36
3,947.0	13.40	216.40	3,847.9	-575.2	-524.7	778.5	1.37	-1.36	-0.68
3,990.0	13.20	217.10	3,889.8	-583.1	-530.6	788.4	0.60	-0.47	1.63
4,034.0	13.10	218.80	3,932.6	-591.0	-536.8	798.4	0.91	-0.23	3.86
4,078.0	13.00	217.70	3,975.5	-598.8	-542.9	808.3	0.61	-0.23	-2.50
4,122.0	12.92	217.44	4,018.3	-606.6	-548.9	818.1	0.22	-0.18	-0.59
4,166.0	12.80	219.40	4,061.2	-614.3	-555.0	827.9	1.03	-0.27	4.45
4,209.0	13.10	221.70	4,103.1	-621.6	-561.3	837.5	1.39	0.70	5.35
4,253.0	13.27	223.94	4,146.0	-628.9	-568.1	847.5	1.22	0.39	5.09
4,297.0	13.32	225.61	4,188.8	-636.1	-575.2	857.6	0.88	0.11	3.80
4,341.0	13.27	225.74	4,231.6	-643.2	-582.5	867.7	0.13	-0.11	0.30
4,385.0	13.54	225.52	4,274.4	-650.3	-589.8	877.9	0.62	0.61	-0.50
4,429.0	13.90	226.00	4,317.2	-657.6	-597.3	888.3	0.86	0.82	1.09
4,472.0	13.97	225.13	4,358.9	-664.9	-604.6	898.7	0.51	0.16	-2.02
4,516.0	13.54	222.80	4,401.6	-672.4	-611.9	909.1	1.59	-0.98	-5.30
4,560.0	13.36	222.93	4,444.4	-679.9	-618.9	919.4	0.41	-0.41	0.30
4,604.0	13.36	220.86	4,487.2	-687.5	-625.7	929.5	1.09	0.00	-4.70
4,647.0	14.19	218.93	4,529.0	-695.3	-632.2	939.8	2.21	1.93	-4.49
4,691.0	14.50	221.20	4,571.6	-703.7	-639.2	950.7	1.46	0.70	5.16
4,735.0	14.81	221.61	4,614.2	-712.0	-646.6	961.8	0.74	0.70	0.93
4,779.0	14.94	223.46	4,656.7	-720.3	-654.2	973.1	1.12	0.30	4.20
4,823.0	15.21	223.85	4,699.2	-728.6	-662.1	984.5	0.66	0.61	0.89
4,867.0	15.07	223.46	4,741.7	-736.9	-670.1	996.0	0.39	-0.32	-0.89
4,910.0	15.21	223.37	4,783.2	-745.1	-677.8	1,007.2	0.33	0.33	-0.21
4,954.0	15.38	223.32	4,825.6	-753.5	-685.8	1,018.8	0.39	0.39	-0.11
4,998.0	15.29	221.74	4,868.1	-762.1	-693.6	1,030.5	0.97	-0.20	-3.59
5,042.0	14.96	221.38	4,910.6	-770.7	-701.2	1,041.9	0.78	-0.75	-0.82
5,086.0	14.99	221.79	4,953.1	-779.2	-708.8	1,053.3	0.25	0.07	0.93
5,130.0	14.60	221.80	4,995.6	-787.6	-716.3	1,064.6	0.89	-0.89	0.02
5,173.0	14.24	220.64	5,037.2	-795.6	-723.3	1,075.3	1.07	-0.84	-2.70
5,217.0	13.90	220.40	5,079.9	-803.7	-730.3	1,086.0	0.78	-0.77	-0.55
5,261.0	14.28	222.45	5,122.6	-811.8	-737.4	1,096.7	1.43	0.86	4.66
5,305.0	14.50	221.90	5,165.2	-819.9	-744.7	1,107.6	0.59	0.50	-1.25
5,349.0	14.43	222.28	5,193.8	-825.4	-749.7	1,115.0	0.39	-0.23	1.28



Payzone Directional Survey Report



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 2 T9, R15
Well: Q-2-9-15
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference: Well Q-2-9-15
TVD Reference: Q-2-9-15 @ 6041.0ft (Capstar 329)
MD Reference: Q-2-9-15 @ 6041.0ft (Capstar 329)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

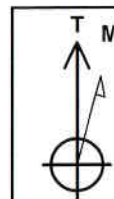
Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
Q-2-9-15									
5,348.0	14.40	222.45	5,206.9	-827.8	-751.9	1,118.3	0.39	-0.23	1.29
5,392.0	14.40	223.50	5,249.5	-835.8	-759.4	1,129.3	0.59	0.00	2.39
5,436.0	14.60	224.80	5,292.1	-843.7	-767.0	1,140.3	0.87	0.45	2.95
5,480.0	14.80	224.00	5,334.6	-851.7	-774.9	1,151.4	0.65	0.45	-1.82
5,523.0	14.90	223.50	5,376.2	-859.7	-782.5	1,162.4	0.38	0.23	-1.16
5,567.0	15.00	224.64	5,418.7	-867.8	-790.4	1,173.8	0.71	0.23	2.59
5,611.0	15.10	222.20	5,461.2	-876.1	-798.2	1,185.2	1.46	0.23	-5.55
5,655.0	15.20	220.40	5,503.7	-884.8	-805.8	1,196.7	1.09	0.23	-4.09
5,699.0	14.94	217.40	5,546.2	-893.7	-813.0	1,208.1	1.87	-0.59	-6.82
5,742.0	14.80	216.90	5,587.7	-902.5	-819.7	1,219.1	0.44	-0.33	-1.16
5,786.0	14.60	217.40	5,630.3	-911.4	-826.4	1,230.2	0.54	-0.45	1.14
5,830.0	14.60	218.80	5,672.9	-920.1	-833.2	1,241.3	0.80	0.00	3.18
5,874.0	14.80	218.70	5,715.4	-928.8	-840.2	1,252.5	0.46	0.45	-0.23
5,918.0	15.30	219.50	5,757.9	-937.7	-847.4	1,263.9	1.23	1.14	1.82
5,961.0	15.56	218.80	5,799.4	-946.5	-854.7	1,275.3	0.74	0.60	-1.63
6,005.0	15.38	219.20	5,841.8	-955.7	-862.0	1,287.0	0.48	-0.41	0.91
6,049.0	15.70	217.60	5,884.2	-964.9	-869.4	1,298.8	1.22	0.73	-3.64
6,093.0	15.40	218.40	5,926.5	-974.2	-876.6	1,310.5	0.84	-0.68	1.82
6,137.0	14.63	217.92	5,969.0	-983.2	-883.7	1,321.9	1.77	-1.75	-1.09
6,180.0	14.88	218.26	6,010.6	-991.8	-890.4	1,332.8	0.62	0.58	0.79
6,224.0	13.58	216.47	6,053.3	-1,000.4	-897.0	1,343.6	3.12	-2.95	-4.07
6,268.0	12.48	216.38	6,096.1	-1,008.3	-902.9	1,353.5	2.50	-2.50	-0.20
6,312.0	11.34	213.44	6,139.2	-1,015.8	-908.1	1,362.5	2.93	-2.59	-6.68
6,355.0	10.59	212.51	6,181.4	-1,022.6	-912.5	1,370.6	1.79	-1.74	-2.16
6,373.0	10.28	213.09	6,199.1	-1,025.4	-914.3	1,373.8	1.82	-1.72	3.22
6,428.7	10.28	213.09	6,253.9	-1,033.7	-919.7	1,383.6	0.00	0.00	0.00

Checked By: _____ Approved By: _____ Date: _____

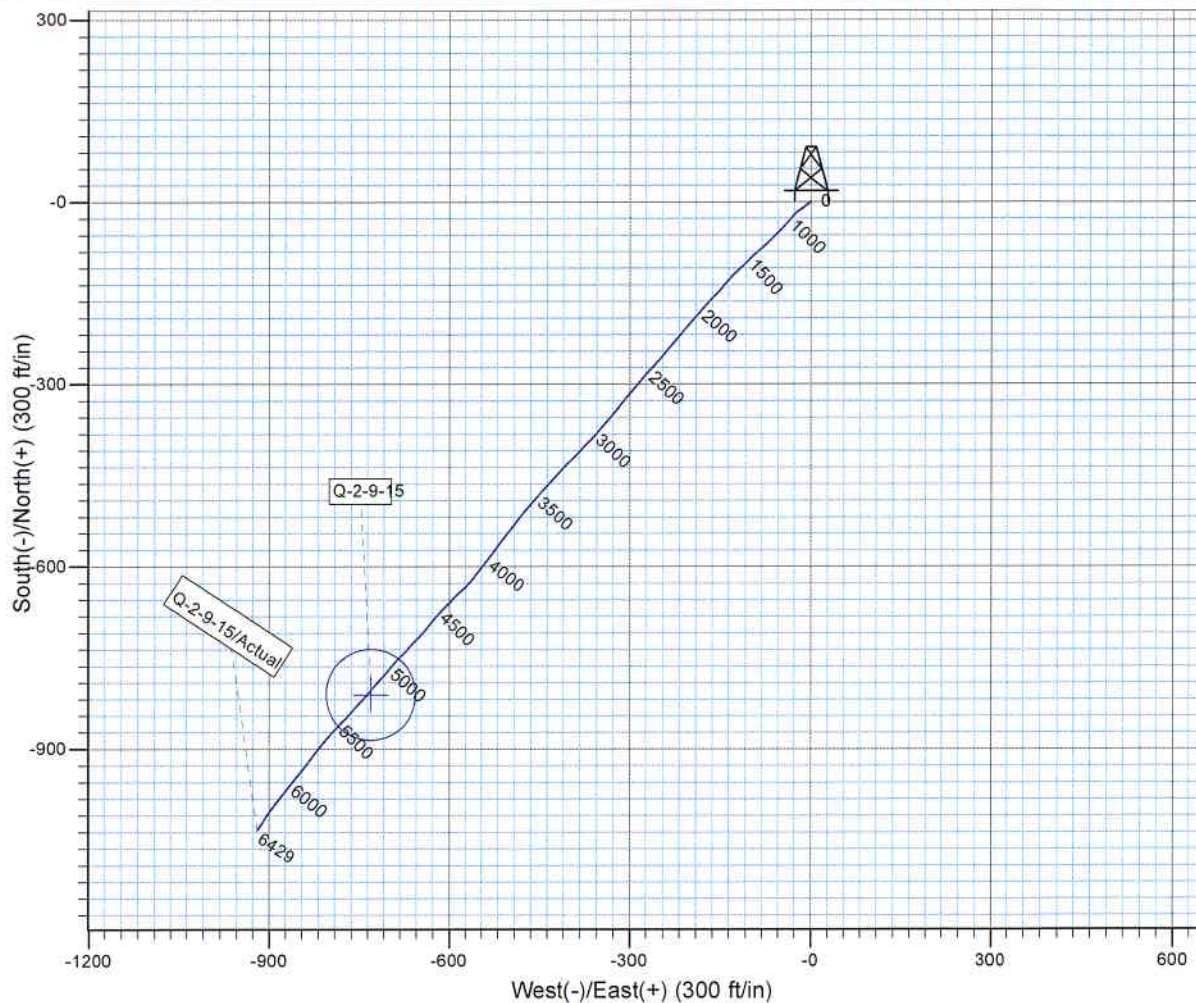
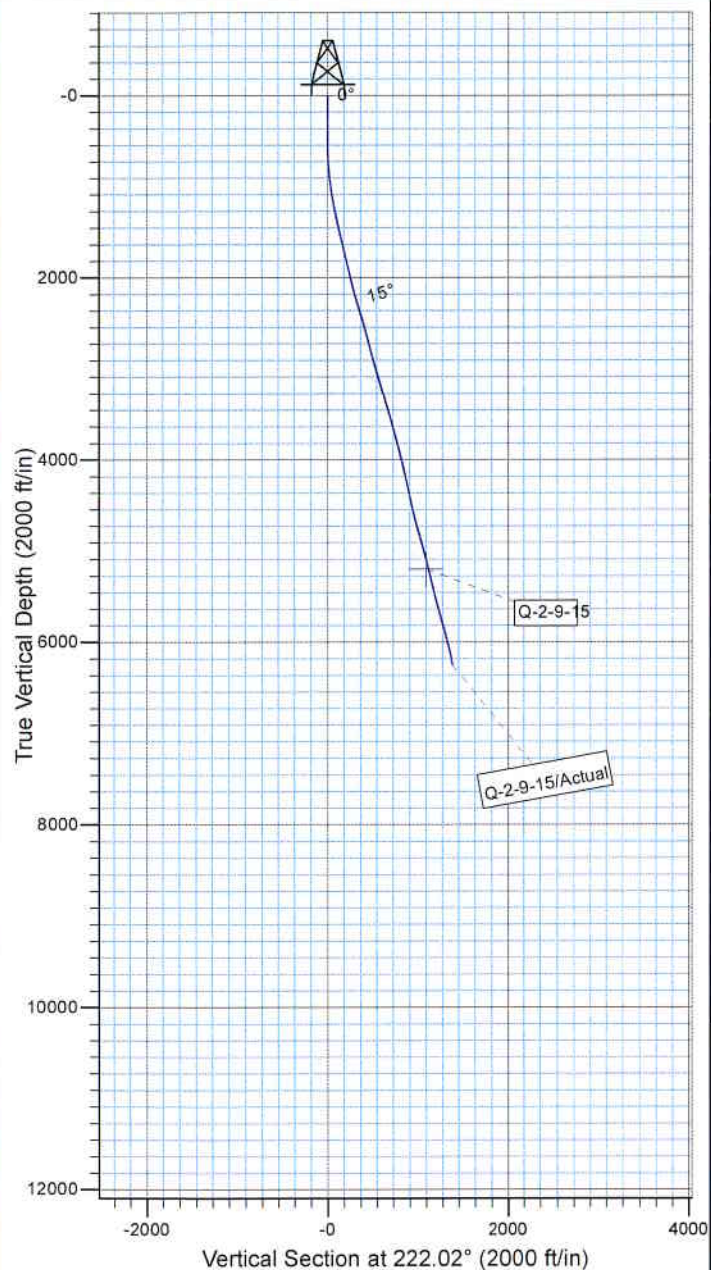


Project: USGS Myton SW (UT)
 Site: SECTION 2 T9, R15
 Well: Q-2-9-15
 Wellbore: Wellbore #1
 Design: Actual



Azimuths to True North
 Magnetic North: 11.37°

Magnetic Field
 Strength: 52252.3snT
 Dip Angle: 65.78°
 Date: 6/20/2011
 Model: IGRF2010



Design: Actual (Q-2-9-15/Wellbore #1)

Created By: Sarah Webb Date: 15:58, February 18 2012

THIS SURVEY IS CORRECT TO THE BEST OF
 MY KNOWLEDGE AND IS SUPPORTED
 BY ACTUAL FIELD DATA